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THE CHEMIST AND DRUGGIST

ESTAB. 1859

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SUBSCRIPTION (WITH DIARY) 20/- PER ANNUM
SINGLE COPIES 9d.

No. 2533. AUGUST 25, 1928. Vol. CIX.

Vitamin D in the 'Allenburys' Foods

For some considerable time the natural vitamin content of the 'Allenburys' Foods has been augmented by the addition of the synthetic Vitamin D. Amongst other notable advantages they are, therefore, fully protective against rickets and allied bone diseases.

INDEPENDENT TEST

Assay of a specimen of the 'Allenburys' Milk Food No. 1 in the *Pharmacological Laboratory* of the *Pharmaceutical Society* indicates its specific healing properties in rats rendered rachitic according to the usual method.

Other products containing added Vitamin D are the 'Allenburys' Diet, the 'Allenburys' Malted Rusks and 'Bynotone.'

No change has at present been made in the packing or directions of these products.

Allen & Hanburys Ltd.

Bethnal Green, London, E.2

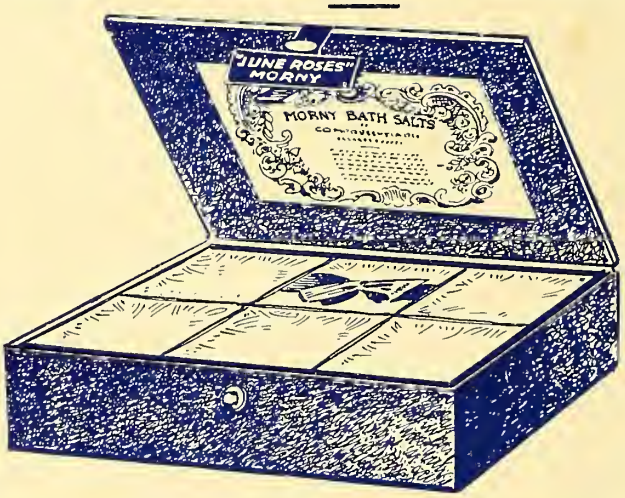
Index to Advertisers, pp. 5 & 6.

A NEW PRESENTATION.

MORNY

BATH SALTS TABLETS

CARTONS OF SIX TABLETS



During the summer, the demand for Bath Salts Tablets is at its highest point, and with the new presentation illustrated above this valuable business will be widely stimulated.

The Tablets, standard in every way, are issued in brown antique leatherette cartons exactly similar in design to the well-known carton of twelve tablets, and are obtainable in the following fragrances :—

	Minimum Retail in Gt. Britain.
"CHAMINADE" "MYSTÉRIEUSE" - - -	2/3
"NUIT DE CARNAVAL" - - - - - -	
"TRIOMPHE" or ASSORTED - - - - -	
"FANTAISIE" "JUNE ROSES" "SÉRÉNADE"	1/9
"VIOLETTE-MORNY" "YESHA" etc. - - -	
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"ROSE-VERVEINE" - - - - - - - -	

Subject to usual Terms.

A SUPERLATIVE PRODUCT.

Apply for full Price List and Terms to:—

MORNY FRÈRES, LIMITED, 6 NEW BURLINGTON STREET, LONDON, W.1

Perhaps you know the very Pharmacy!

John —— owned a nicely fitted Pharmacy a little removed from a central shopping area. He had a steady, remunerative, though rather small business.

Other Chemists had opened years after him and developed bigger businesses than his in other parts of the town.

This fact probably caused him little or no concern, because he indulged in pretty big doses of a dope called "*self pity*" which convinced him that his "pitch" was his misfortune.

There was no passing trade. His windows were not much use. In his locality people never troubled to look at displays and he had lost hope that his business would ever keep an assistant and himself.

He dressed his window once a fortnight (sometimes it was three weeks), but only for the prevention of dust and cobwebs.

His many sterling qualities were well known to his friends, but first impressions suggested he was in a rut and easy going.

Many a keen salesman tried to rouse him to attempt more vigorous salesmanship and methods, but failed.

When John —— died a young man bought the business. He was not only "qualified" but enjoyed the game of selling. The district has hardly changed in the last five years, but that business has doubled.

"The Wigglesworth Way" has helped that young man, but it could have helped John —— just as much.

WIGGLESWORTH LTD.
WESTHOUGHTON
LANCS.

A A

NEW!

TWO NEW PREPARATIONS BY Pond's

Pond's Skin Freshener

Women, times out of number, have said, "Why don't Pond's sell an astringent—something to brace and freshen the skin and close the pores." Well, here it is. Pond's Skin Freshener makes the skin tingle deliciously, makes it feel fresh, cool and invigorated. It also prevents large pores—a blemish that all women dread. It closes the pores after the cold cream cleansing and leaves it firm and fine in texture.

Undoubtedly this new preparation and the new preparation on the opposite page will increase the already enormous prestige of the name of Pond's—and they will make with Pond's Cold Cream and Pond's Vanishing Cream a complete method of skin care.

The advertising campaign in support of Pond's Cleansing Tissues and Pond's Skin Freshener will be on the same extensive scale as all Pond's advertising. It is certain to be followed by an immediate and insistent demand from scores—probably hundreds—of your customers.

See that they are not disappointed—and make sure also that your stock is sufficiently large to meet the demand of the first customers with enough and to spare for those who follow after.

NOW A COMPLETE POND'S METHOD OF SKIN-CARE

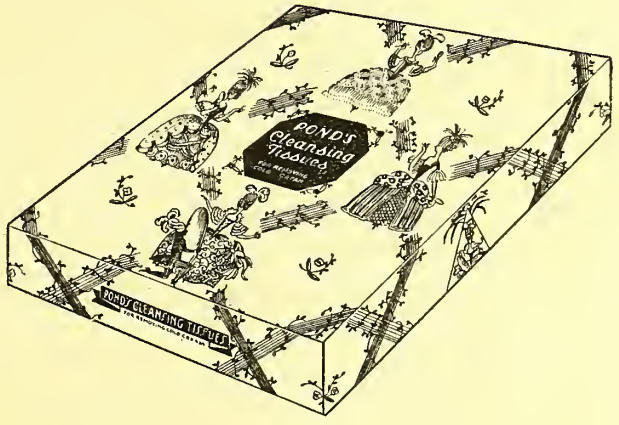
NEW!

TWO
NEW PREPARATIONS
BY Pond's

Pond's Cleansing Tissues

There can be no doubt that women have for a long time needed a better method of removing cold cream than the use of towels or cotton wool. Pond's have now solved that problem with complete success with Pond's Cleansing Tissues—the result of eleven months of careful experiment. Now—instead of soiling a clean towel—all that is necessary is just to take one of these soft absorbent tissues from the box and fling it away after use. Pond's Tissue is soft and silky to the touch—it does not tear easily or roll up into a ball.

From the chemist's point of view these tissues offer double advantage: 1, they bring to the chemist's shop a portion of the trade that previously went to drapers' shops for towels; 2, by removing one of the great drawbacks to the use of cold cream, they increase the popularity and sale of cold cream.



Retail Prices:
Pond's Vanishing Cream. Opal Jars 2/6 & 1/3. Tubes 1/- & 6d.
Pond's Cold Cream. Opal Jars 5/-, 2/6 & 1/3. Tubes, 2/6, 1/- & 6d.
Pond's Cleansing Tissues. Per Box 2/6 & 1/6.
Pond's Skin Freshener. Per Bottle 5/6, 3/- & 1/-.

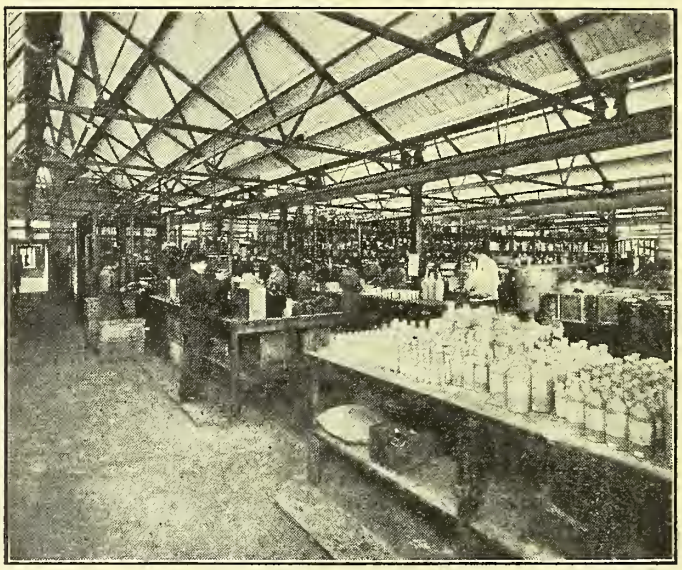
POND'S EXTRACT CO.
103 St. John Street, LONDON, E.C.1

(1) POND'S COLD CREAM
to cleanse the pores and tissues.

(2) POND'S CLEANSING TISSUES
to remove cold cream and impurities.

(3) POND'S SKIN FRESHENER
to brace the skin and close the pores.

(4) POND'S VANISHING CREAM
to give a perfect finish and protection from the weather, and to form a base for powder.



Corner of StaffAllenS Packing Department

A little goes a long way

Because of their extreme concentration and easy solubility in dilute alcohol StaffAllenS Terpeneless Oils are greatly appreciated. These oils have perfect keeping properties, and their purity can be readily checked. Each oil is practically colourless, and the odours are greatly superior to those of ordinary essential oils. In relation to their degree of concentration, StaffAllenS Terpeneless Oils are an economical proposition. A little goes a long way. Send your enquiry to Stafford Allen & Sons Ltd., Essential Oil Distillers, Cowper Street, London, E.C.2

StaffAllenS TERPENELESS OILS

INDEX TO ADVERTISERS

Acco (Munyon's Home Remedies) .. xxvi
Addis, R., & Son (Dental Plate Brush) 22
Agfa, Ltd. (Photographic Chemicals) xxxviii
Allen & Hanburys, Ltd. ("Allenburys" Foods) ..... Cover
Allen, Stafford, & Sons, Ltd. (Terpeneless Oils) 4
Anglo-American Oil Co., Ltd. (Cold Cream) 7
Anglo-French Drug Co., Ltd. (Stannoxyl) xii
Ansay, R., Ltd. (Solvantine) v
Arnfield, J. C., & Sons, Ltd. (Raspberry Vinegar) vi
Association of Manfg. Chemists, Ltd. Col. Supp.
Autoway Co. (Weighing Machines) .. 28
Ayrton-Graham, Ltd. (Shopfittings) .. 37
Ayrton, Saunders & Co., Ltd. (Wholesale Druggists) 15
Baileys (Developing and Printing) xxxviii
Bandoeng Quinine Factories viii
Bayer Products, Ltd. xiv
Beatson, Clark & Co., Ltd. (Bottles) xxxii
Beattie, Hunter (Shaving Soap, &c.) 26
Beecham Pills, Ltd. (Beechams Pills, &c.) xx
Beltona, Ltd. (Rheumatic Lotion) .. xx
Benger's Food, Ltd. (Foods) 42
Bengué & Co., Ltd. (Balsam) xiv
Berdoe & Fish (Valuers, &c.) Col. Supp.
Berg, E., Ltd. (Shopfittings) Col. Supp.
Berk, F. W., & Co., Ltd. (Chemicals) vi
Bishop, A., Ltd. (Fruit Saline) xiii
Blackie, Robert ("Spun" Ointments, &c.) xviii
Box, W. H. (Box's Pills) xvi
Braun, H. W. (Chemical Products) .. vii
Bredt, W. (Dr. Thilo's Preps.) xii
British Aluminium Co., Ltd. (Aluminium Boxes, &c.) 14
Brooks, J., & Co., Ltd. (Spray Solutions) xxii
Brown & Son (Stills) xxxii
Burge, Warren & Ridgley, Ltd. (Surgical Rubber Goods) xxxiv
Burkett, Sharp & Co., Ltd. (Chemicals) iv
Burrough, J., Ltd. (Alcohol) Leader Page
Burroughs Wellcome & Co. (Cascara Sagrada) 41
Bussell, T. C. (Bottle Caps) xxxii
Carnegie Bros. (Chemicals) iv
Cartwright, W. B., Ltd. (Moorland Aspirin Tablets) 40
Castle Huskisson, Ltd. (Tablets, &c.) x
Cataline Co. (Veterinary Medicines) xxxix
Cavendish Chemical Corporation .. xiv
Cephos, Ltd. (Headache Remedy) .. xxii
Christy, T., & Co. (Pyshan Points Tea, Cucumel) 38-42
Cocoa Mills, Wessanen xii
Corfield, Ltd. (Aluminium Containers) 36
Curasol Sock Co. (Boric Socks) xxxiv
Cussons, Sons & Co., Ltd. (Toilet Specialities) 21
Daisy, Ltd. (Headache Cure) xxi
Davenport, J. T., Ltd. (Chlorodyne) xxii
Dearborn (1923), Ltd. (Toilet Preps.) 20
Debacq & Harrop (Toilet Preps.) .. 24
Dee Oil Co., Ltd. (Petroleum Jelly) xxx
Dick, W. B., & Co., Ltd. (Liquid Paraffin) xxx
Domen Belts, Ltd. (Surgical Belts) xxxiv
Dubarry et Cie (Anti-Sunburn Creams) ..... Cover
Dudley & Co., Ltd. (Display Sets, &c.) 35-37
Edwards Harlene, Ltd. (Hair Preps.) 27
Edwards, Wm., & Sons (Pasta Mack) 38
Fairchild Bros. & Foster (Holadin") Leader Page
Faire Bros. & Co., Ltd. (Puffs) 18
Fairy Dyes, Ltd. (Home Dyes) xxxi
Fassett & Johnson, Ltd. (Mead's Plasters) xxxvii
Ferris & Co., Ltd. (Nepenthe) xviii
Fink, F., & Co. (Gums) 38
Ford, Shapland & Co., Ltd. (Printing) xxx
Frankenberg, L. (Razor Blades) 24
Franklin, J. G., & Son, Ltd. (Soothers, &c.) xxxvi
Freer's Manfg. Co., Ltd. (Dentifrice) 22
Fuller Laboratories (Celery Perles) .. xvi
Gambles, J. C., & Co., Ltd. (Olive Oil Shampoo) 20
Gardner, W., & Sons (Gloucester), Ltd. (Machinery) xxxvi
George, Ernest J. (Valuer, &c.) Col. Supp.
Gilmont Products, Ltd. (New Mix Tooth Paste) 9
Glass Products, Ltd. (Bottles, &c.) xxxiii
Gollin & Co. Pty., Ltd. ("Aspro") xvii
Goodall, Backhouse & Co. (Olive Oil) xxv
Gough, Kidston & Co. (Petroleum Jelly, &c.) xxix
Gower, John (Books) ..... Col. Supp.
Grout & Co., Ltd. (Crêpe Bandages) xxxiv
Guest, H. Marcel (Capping Solution) 38
Guest, T., & Co., Ltd. (Tablets, &c.) 8
Hackett, S. E. (Film Overstocks) Col. Supp.
Haller Laboratories, Ltd. (Danysz Virus) xxxviii
Haller & Phillips, Ltd. (Glycerine) .. ii
Hampshire, F. W., & Co., Ltd. (Flycatchers) xxxix
Harris, J., & Co. (Advertising Balloons) xxxv
Harrison, A., & Sons (Printing) xxxi
Harvey & Co. (Dublin), Ltd. (Veterinary) xxxviii
Haskins (Shopfittings, &c.) 32
Henry T. & W. (Calcined Magnesia) xviii
Heward, R. H., Co. (Surgical) xxxv
Hindes, Ltd. (Hair Brushes) 30
Hoffman-La Roche Chemical Works, Ltd. (Pharmaceutical Products) vi
Houbijant Perfumery 31
Howard, Lloyd, & Co., Ltd. (Tablets) x
Howards & Sons, Ltd. (Aspirin Tablets) i
Hubbuck, T., & Son, Ltd. (Oxide of Zinc) ix
Iddon, V. H., Ltd. ("Fite-a-Germ" Vapouriser) 38
Iglodine Co., Ltd. (Iglodine) xvi
Ioco Rubber & Waterproofing Co., Ltd. (Rubber Sponges) 33
Irving's Yeast Vite, Ltd. xxiv
Jackson, Ernest, & Co., Ltd. (Glossettes) x
Jackson, J. P., & Co., Ltd. (Rapid Filters) 34
Johnson & Sons Mfg. Chemists, Ltd. (Galenicals, &c.) iii
Johnston & Adams (Slipperine) xl
Josephs, Percy R. E. (Shopfittings) Col. Supp.
Josephs, Philip, & Sons (Shopfittings) 32-Col. Supp.
Jules Frères (Flower Oils, &c.) 19
Kaliwerk Krügershall A.-G. (Epsom Salts) iii
Kamberol Syndicate (Kamberol) xxvi

[*Continued overleaf.*

For VARICOSE VEINS and the whole group of troubles attributed to Relaxed Conditions of the tissues.

Gets at the Cause

"ELASTO" is a scientifically prepared cell food—NOT A DRUG—and may be introduced with every confidence of extensive recommendation.

Recommend "ELASTO" for Varicose Veins, Ulcers, Eczema, Swollen Legs, Phlebitis, Thrombosis, Muscular Weakness, Bad Legs, Piles, Prolapsus, Varicocele, Hardened Arteries, Blood Pressure, Deficient Circulation and kindred ailments.

Prepared in the Laboratories of

THE NEW ERA TREATMENT CO.

CECIL HOUSE, HOLBORN VIADUCT, LONDON, E.C.

Full particulars, Showcards, and Leaflets on request.

One size only (*a month's treatment*), **5/-**; per doz., **45/-** from your wholesaler.

INDEX—cont.

Kerfoot, T., & Co., Ltd. (Throat Pastilles) 17
King, G., & Co., Ltd. (Foods) 35
Lamb & Watt, Ltd. (Wines) 35
Lax & Shaw, Ltd. (Bottles) xxxiii
Lee, R. (Manicure Requisites) 38
Lever Bros., Ltd. (Glycerine) xii
Lewis, H. K., & Co., Ltd. (Books, &c.) 36
Lincoln & Midland Counties Drug Co., Ltd. (Clarke's Blood Mixture) xvi
Lofthouse & Saltmer, Ltd. (Losalls Salt) 35
London College of Pharmacy 36
Lorimer-Marshall, Ltd. (Sunburn Lotion, &c.) 29
McGlashan, D., Ltd. (Abdine) xx
Magnus, Mabec & Reynard, Inc. (Ess. Oils) 29
Mandall & Co., Ltd. (Licoricine) .. xviii
Marsden, C. C. (Valuer, &c.) Col. Supp.
Martin, Bob, Ltd. (Dog Medicines) xxxix
Mason Pearson Selling Agency, Ltd. 28
Matthews, D., & Sons (Shopfittings) 38
Matthews Laboratories, Ltd. (Digitalis) ..... Leader Page
Matthews, S., & Co., Ltd. (Curicones) xv
Maw, S., Son & Sons, Ltd. 11
May, Roberts & Co., Ltd. (Sundries) xlii
Meade-King, Robinson & Co., Ltd. (Petroleum Jelly, &c.) xxviii
Midgley & Parkinson, Ltd. (Yeast Preps.) 35
Millar, A., & Co., Ltd. (Orange Wine) 38
Mills, H., & Sons (Shopfittings) 37
Mond Staffordshire Refining Co., Ltd. (Monsol Prods.) xix
Morny Frères, Ltd. (Toilet Preps.) Cover
National Chemical Holdings, Ltd. (Appledoc) xxvi
National Union of Drug & Chemical Workers ..... Col. Supp.
Nestlé, C., & Co., Ltd. (Radion Shampoo) 23-24
Newbery, F., & Sons, Ltd. (Service) xxiv
New Era Treatment Co. (" Elasto ") 5
News of the World 10
Northern Polytechnic 38
Norwegian Cod Liver Oil xxvii
Old Strand Chemical & Drug Co., Ltd. (Chemicals, &c.) ii
Oppenheimer, Son & Co., Ltd. (Roboleine) 8
Orridge & Co. (Valuers, &c.) .. Col. Supp.
Parke, Davis & Co. (Euthymol) 25
Parkinson, R., & Sons (Head Powders) Leader Page
Peek Bros. & Winch, Ltd. (Matté Tea) ..... Leader Page
Perry & Hope, Ltd. (Phosphate of Soda) 38
Perry's Powders, Ltd. xx
Pharmaceutical Lanoline Co. xxviii
Phillips & Robson, Ltd. (Herbaline Ointment) xxvi
Phosferine (Ashton & Parsons), Ltd. xli
Photopress (Developing, &c.) xxxviii
Pierson, Morrell & Co., Ltd. (Aspirin) x
Pifco, Ltd. (Electric Lamps, &c.) 37
Pindar, J. W., & Co. (Mchy.) 34
Plaimar, Ltd. (Sandalwood Oil) 33
Ponds Extract Co. (Toilet Preps.) .. 2-3
Poth, Hille & Co. (Ceresine Oil) .. xxviii
Potter & Clarke, Ltd. (Wholesale Druggists) 39
Poulton, H. J. (Glassware) xxxiii
Prescriber, The 38
Prichard & Constance (Mfg.), Ltd. (Toilet Preps.) 22
Proprietary Agencies, Ltd. (Milk of Magnesia) 42
Ridge's Food Co. (Infants' Food, &c.) 35
Rigby Battcock, Ltd. (Toothbrushes) 36
Riley, J., & Sons, Ltd. (Hypo) ii
Roberts Patent Filling Machine Co. xxxvi
Robinson & Sons, Ltd. (Boxes) 14-xl
Roebuck's Advertising Service (Wanie Blades) 30
Rowland, A., & Sons, Ltd. (Macassar Oil) 24
Rudduck & Co. (Shopfittings) Col. Supp.
Schimmel & Co. (Perf. Prods.) 18
Scruton, O., & Co. (Nurse Harvey's Mixture) 36
Scurr, C. A. (Optical Tuition) 36
Shadeine Co. (Hair Dyes) 36
Shefras Novelty Co. (Weighing Machines) 13
Sherley, A. F., & Co. (1928), Ltd. (Dog and Cat Medicines) xxxix
Sim, Ltd. (Ampoule Files) viii
Sitora Refining Co., Ltd. (Liquid Paraffin, &c.) xxix
Smith & Co. (Fly Catchers) xxxix
Smith, Martin H., Co. (Ergoapiol) .. xiv
Smith, T. & H., Ltd. (Chemicals) .. v
Soc. Voor Chemische Industrie (Theobromine, &c.) viii
Spicer, E. H., & Co., Ltd. (Calsoma) xv
Stambois, L. J. (Gillette Blades, &c. 38
Stern, H. C. (Geisha Toilet Paper) xxxiv
Sterns, Ltd. (Oils, Petroleum, &c.) xxix
Stokes, C. A., & Co., Ltd. (Scurf Cure) 38
Sturge, J. & E., Ltd. (Precipitated Chalk) vii
Surgical Hosiery Co., Ltd. xxxv
Tatcho Tone Co. (Hair Preps.) 30
Teasdales Chlorodyne Co. (Herbal Remedies) 38
Tennants (Lancs.), Ltd. (Chemicals) v
Thornton & Ross, Ltd. (Olive Oil) ii
Tilbury, W. R., & Son (Tooth Brushes) 30
Tolkien, C., & Co., Ltd. (Malt & Oil) 6
Tomlinson, T., & Son (Valuer, &c.) Col. Supp.
Townsend, James, & Sons (Poisons Registers) xxvi
Tunbridge & Wright (Flycatchers) xxxix
United Chemists' Association, Ltd. (Morning Salt) 16
Veno Drug Co. (1925), Ltd. (Dr. Cassell's Tablets, &c.) xxiii
Wagner, R. V. (Bottle Caps) xxxii
Ward, T., & Sons, Ltd. (Blades) 30
Warne, W., & Co., Ltd. (Surgical Goods) xxxvi
Warrington Chem. & Drug Co., Ltd. iv
Washington Chemical Co., Ltd. (Pattinson's Magnesia) ix
Watts, J. (Safety Razor Blade Sharpener) 22
Webster, T. & Co. (Disc Extractor, &c.) xxxiii
West Ham Municipal College 38
Westminster College of Pharmacy .. 36
Wheeler & Huisking, Ltd. (Liquorice Sticks, &c.) ..... viii-xi
Whitaker & Co. (Hat Dyes, Household Dyes) 12
White, A., & Sons, Ltd. (Chemicals) iii
Wigglesworth, Ltd. (Packed Specialities) 1
Wilkinson, S. W., & Co. (Tablet Machines) 34
Williamson Bros., Ltd. (Powder Puffs) 24
Willows, Francis, Butler & Thompson, Ltd. (Infusions, &c.) iv
Winchester Manfg. Co., Ltd. (" Wimaco " Surgical Goods) xxxvi
Wright, Layman & Umney, Ltd. (Household Embrocation) ..... Cover
Yadil Products (1925), Ltd. xxiv
Zeal, G. H., Ltd. (Clinicals) xxxiv

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TO INCREASE YOUR TURNOVER

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"BUTTER SCOTCH" MALT & OIL

THE CHILDREN'S FAVOURITE

PERFECTION IN QUALITY AND REASONABLE IN PRICE

SUPPLIED IN ALL SHAPES OF JARS, CONTAINERS (N.H.I.), etc., and BULK DRUMS—LARGE ASSORTMENT OF BEAUTIFULLY LITHOGRAPHED LABELS FOR SUPPLY TO CUSTOMERS WITH OWN NAME AND ADDRESS.

Send your enquiries early

C. TOLKIEN & CO. LTD.

Malt Extract Makers

REMOGEN WORKS - - - SILSDEN, YORKSHIRE.

TELEGRAMS : " REMOGEN," STEETON. LONDON : 'PHONE, 3539 FINCHLEY.
'PHONE : 69 STEETON.

'Specialty'

Otto

COLD CREAM

YOUR customers require Quality, Purity and Moderate Prices. If you stock goods that come under this category you automatically ensure yourself rapid and ever-increasing profits.

"Specialty" Otto Cold Cream is guaranteed for Quality and Purity, all the ingredients used in manufacture being carefully selected from the finest materials procurable.

"Specialty" Otto Cold Cream has an additional appeal to the public due to the attractive manner in which it is packed.

We will gladly send you samples and prices.

"SPECIALTY" OINTMENTS.

All B.P. and unofficial ointments are made from the best ingredients by the most up-to-date machinery, ensuring a smooth, high quality product. Sold in bulk or packed in attractive decorated tins and screw capped glass and opal jars. Send for samples and price lists.

D.A.

Telephones: *Hampstead* 8066-7-8.
Telegrams: *"Nufinjol, Norwest," London.*

ANGLO-AMERICAN OIL CO., LTD.
"SPECIALTY" DEPT.,
Albert Street, Camden Town, LONDON, N.W.1.

The continuous advertising of

Roboleine

THE FOOD THAT BUILDS THE BODY

even in August, indicates something of great importance—that, realising the shortness of the Public's memory, we never let people forget 'Roboleine.' Do the same by display and recommendation and benefit accordingly.

Write for generous Window Display Terms.

OPPENHEIMER, SON & Co., Ltd.
179 Queen Victoria Street, London, E.C.4.

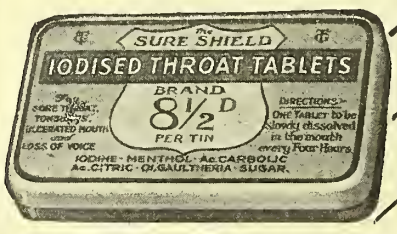
Manufacturers of 'MAGLACTIS,' the Pure Hydrate of Magnesia with the continuous action.

THE SURE SHIELD

LONDON DEPOT:
1 SWAN STREET,
MINORIES, E.1
Telephone: ROYAL 8111.

THE SURE SHIELD SERIES BRAND

IODISED THROAT TABLETS



8½d. Tins
5/6 per doz. 63/- per gross

1s. 3d. Tins
9/6 per doz. 108/- per gross

THOS. GUEST & CO., LTD., CARRUTHERS STREET, ANCOATS, MANCHESTER.

As there has been some delay in receiving photographs and so many chemists have asked us to delay judging for the present, NO decision can yet be given in the Window Display Competition

WATCH THIS PAGE FOR FURTHER ANNOUNCEMENTS

SEND YOURS IN NOW

GILMONT PRODUCTS, Ltd.
35 CRUTCHED FRIARS, LONDON, E.C.3

Your Autumn Advertising Campaign is incomplete without the NEWS of the WORLD

These letters—from successful advertisers and their advertising agents—are evidence of the pulling power of the News of the World. What it has done for them it can do for you.

DRAGE'S, LIMITED.
MANAGING DIRECTORS' OFFICE
231 High Holborn London. W.C.1.

10th May, 1928.

URGENT & IMPORTANT

BY HAND

The Advertising Manager,
Messrs. News of the World Ltd.
30 Bouverie Street,
E.C.4

THE HOUSE OF DRAGE

Dear Sir,

I should like to congratulate you on the immense pulling power of your newspaper. Although I had provided additional staff in anticipation we are almost overwhelmed with enquiries from our full page advertisement of furniture you published on Sunday last.

Before eleven o'clock on Monday morning I had the privilege of welcoming at least a dozen customers who told me that the NEWS OF THE WORLD had brought them to us.

A glance through the immense mass of enquiries shows that every town and almost every village in the country is represented.

It was perhaps a courageous experiment to take the largest advertisement that British trade has known. But my confidence in the NEWS OF THE WORLD and my message to your readers has amply justified itself.

Yours truly,
pp DRAGE'S LTD.,
Chairman.

BD/KB
ALL COMMUNICATIONS TO BE ADDRESSED TO THE FIRM AND NOT TO INDIVIDUALS

ALFRED PEMBERTON LIMITED
INCORPORATED PRACTITIONERS IN ADVERTISING
Directors: ALFRED PEMBERTON, C. REGGIE BISHOP
Secretary: F. A. CHAPMAN
General Manager: J. C. BOTTELL
Advertising
187 Piccadilly LONDON W.1
Telephone: REGENT 7216-9 (5 lines)
Telegraphic Address: PEMBERTIZE PICCY LONDON
Cables: PEMBERTIZE LONDON

AP/G.B

9th March, 1928

Herbert Bussy Esq.,
The News of the World,
Bouverie Street,
E.C.

Dear Mr Bussy,

Bisto

Last year and the year before I wrote to tell you of the excellent results our clients, Messrs Cerebos Ltd., had from The News of the World for Bisto. These results are steadily improving and from a one inch box in one c*p/c advertisement, the only one of a series which was keyed, we received 11,115 replies. This is by far the largest number of replies received.

The cost per reply for The News of the World was, with one exception, the lowest in the whole of this great National campaign.

I am sure you will be interested to hear this

Yours very truly,

HOLBOURNE Ltd
FURNISHING FASHION
for SOLID VALUE
73-76 HIGH HOLBORN, LONDON, W.C.1
Telephone Nos.: HOLBORN 1720 1203

26th June, 1928.

The Advertisement Manager,
News of the World,
Bouverie St.,
E.C. 4.

Dear Sir,

In these days of keen competition between newspapers as to their relative merits in the pulling powers of their circulations, I feel constrained to remark upon the very striking success your own paper has achieved for us.

During the past few months, this Company has been advertising very extensively, therefore we are in a very favourable position to judge the pulling merits of the chief national papers. The results from your paper are far and away ahead the best in regard to your orders for the Ladies Department. One rather remarkable fact is the lasting value of an advertisement in your paper, in that some weeks after the date of issue, orders still come in, accompanied by our advertisement cutting from your paper.

I feel sure that you will be glad to know these facts, for it is useful to advertisers in general to be able to advertise in a medium in which it can be confidently predicted that a very definite and profitable return in orders may be expected for the outlay of the advertisement.

In this respect you are at liberty to use this letter as a guide to other advertisers. For our own part, we shall continue to use your columns as a proven medium for increasing business.

Yours faithfully,
MANAGING DIRECTOR.
HOLBOURNE LIMITED.

NEWS OF THE WORLD

30 BOUVERIE STREET
LONDON, E.C.4

Maw's Page

"Parex"

(REGD.)

Your own line of Toilet Preparations

"Parex" toilet preparations are made for the pharmacist who insists upon handing over his counter toilet preparations which he would not hesitate to use himself. Each of the many members of the series is made at our New Barnet factories from the purest ingredients. Each is packed in a tasteful manner, calculated to impart an air of quality to the product and have a strong influence on sales.

The "Parex" series of toilet preparations includes:

Baby Powder	Shampoo Powder
Brilliantine	Hair Preparations
Toilet Paraffin	Vanishing Cream
Dental Cream	Skin Cream
Tooth Powder	Cold Cream
Solid Dentifrice	Lanoline
Dental Plate Soap	Lip Salve
Shaving Cream	Beauty Leaves
Talcum Powder	Poudre Compacte
Bath Powder	

All these preparations are practically staple lines which no modern chemist would be without.

The "Parex" series is well worth your support. It gives you a range of high-class, tastefully presented toilet preparations earning a substantial profit.

S. Maw, Son & Sons, Ltd.,
Aldersgate St., London,
and Barnet.

TRADE MARK

£4.2.4 PROFIT ON £7.14.7

Under the special terms which we are now offering, a mixed parcel containing an equal value of "Auroral" and "Luton" Hat Dyes—usual trade price £8—costs you only £7 4s. 4d. and sells at £11 6s. 8d., showing a profit of £4 2s. 4d.! The special terms are 2½% discount on all orders between £4 and £8 in value, and 5% on orders of £8 and over. An additional 5% discount is allowed in both cases for cash against invoice, and all orders of £4 and over are carriage paid. See that your Autumn order earns these discounts.

AURORAL COLD WATER DYES

LUTON STRAW HAT DYES

Important Notice

TO EXPORT HOUSES AND OVERSEAS BUYERS!

Write TO-DAY for our Special Export Prices and Discounts.

A SPECIAL NON-INFLAMMABLE SERIES OF "LUTON" STRAW HAT DYES IS SUPPLIED FOR EXPORT.

Send Orders or write for full particulars:

WHITAKER & CO. Colour Works KENDAL

Telegrams: "Dulette, Kendal." Established 1878. Telephone: 214.

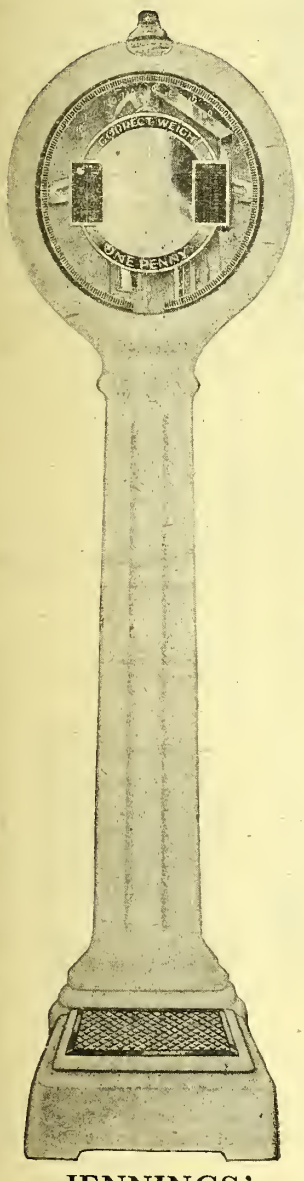
London Office and Showrooms: 16-18 BEAK STREET, REGENT STREET, W.1 Telephone: Regent 3825.

WHY PAY AWAY 75% of the TAKINGS in YOUR WEIGHING MACHINES WHEN YOU CAN OWN A WEIGHER AND LET IT PAY FOR ITSELF?

A LIFE INVESTMENT FOR A SMALL OUTLAY

EACH OF THE TWO BEAUTIFUL MACHINES ILLUSTRATED HERE IS THE BEST IN ITS OWN CLASS.

You can obtain one IMMEDIATELY on the following terms:



JENNINGS'
Premier Dial Scale
Cash **£45**

Suitable for Indoor and Outdoor Positions.

Height	5 ft. 10 in.
Base	13 in. × 25 in.
Dial	20 in. diam.
Weight	218 lbs.

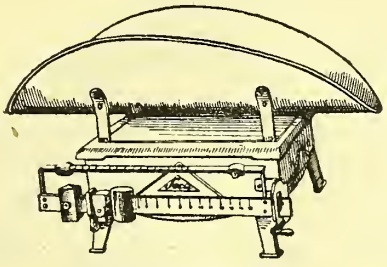
JENNINGS' PREMIER DIAL SCALE

£10 deposit, and the balance in monthly instalments of £3

A GUARANTEE GIVEN WITH EVERY WEIGHER.

Why spend large sums on purchasing machines that will give you no better service than these?

With each cash down purchase this attractive little Baby Scale will be given FREE.



BABY SCALE
Price **£3**

NO EXPERT MECHANICAL KNOWLEDGE IS NECESSARY TO KEEP THEM IN ORDER.

For further particulars write, 'phone or call at our City showrooms—

SHEFRAS NOVELTY Co.
Fetter House, 54-5 Fetter Lane
LONDON, E.C.4

Telephone: City 0329.
Cables: A.B.C. 5th Ed. 5 letter. Gymozzelos. Edo.

SECA PERSONAL WEIGHER

£5 deposit, and the balance in monthly instalments of £2

Table of correct weights. Will weigh up to 24 stone.

Enamelled in attractive colours.

TESTIMONIAL

I am very pleased with the Seca Weighing Machine recently purchased from you, which has more than justified all the claims you made for it. Further, on opening the machine for the first time, the contents totalled the satisfactory sum of £7 13 9.

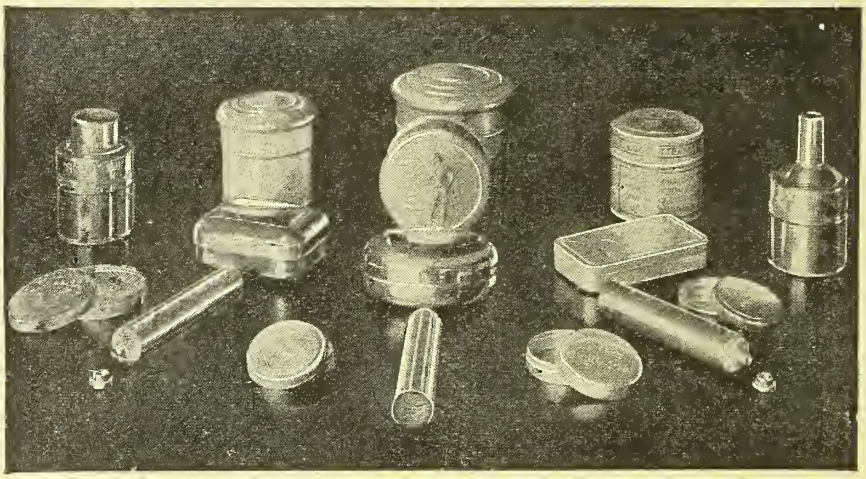
Yours faithfully,
W. STEVENS.

SECA PERSONAL WEIGHER
Cash **£24**

The ideal machine for the chemist. Can be placed in the smallest corner.

Height	4 ft. 5 in.
Platform	15 in. × 11 in.
Weight	76 lb.

Daintiness *without* fragility.



A selection of aluminium boxes and collapsible tubes by H. G. Sanders & Son, Ltd., Southall.

THE attractiveness of aluminium containers is not confined to its range of dainty finishes (bright, satin or coloured). Here is a box-making material which stands up to common usage and (unless intentionally made collapsible) outlives its contents.

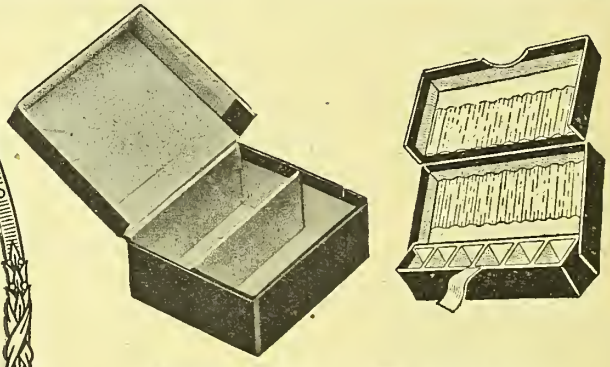
Aluminium

***THE BRITISH ALUMINIUM CO., LTD.,** Aluminium Producers, Adelaide House, London, E.C.4*

ROBINSON'S *of* CHESTERFIELD *for* CARDBOARD BOXES

ROUND · OVAL · SQUARE · FOLDING

ROBINSON & SONS LTD. CHESTERFIELD & LONDON



CHEMIST BOXES

We specialise in the manufacture of small boxes for chemist use, and our range of these boxes is large and varied.

May we have the opportunity of quoting you for your requirements when next you are in the market?

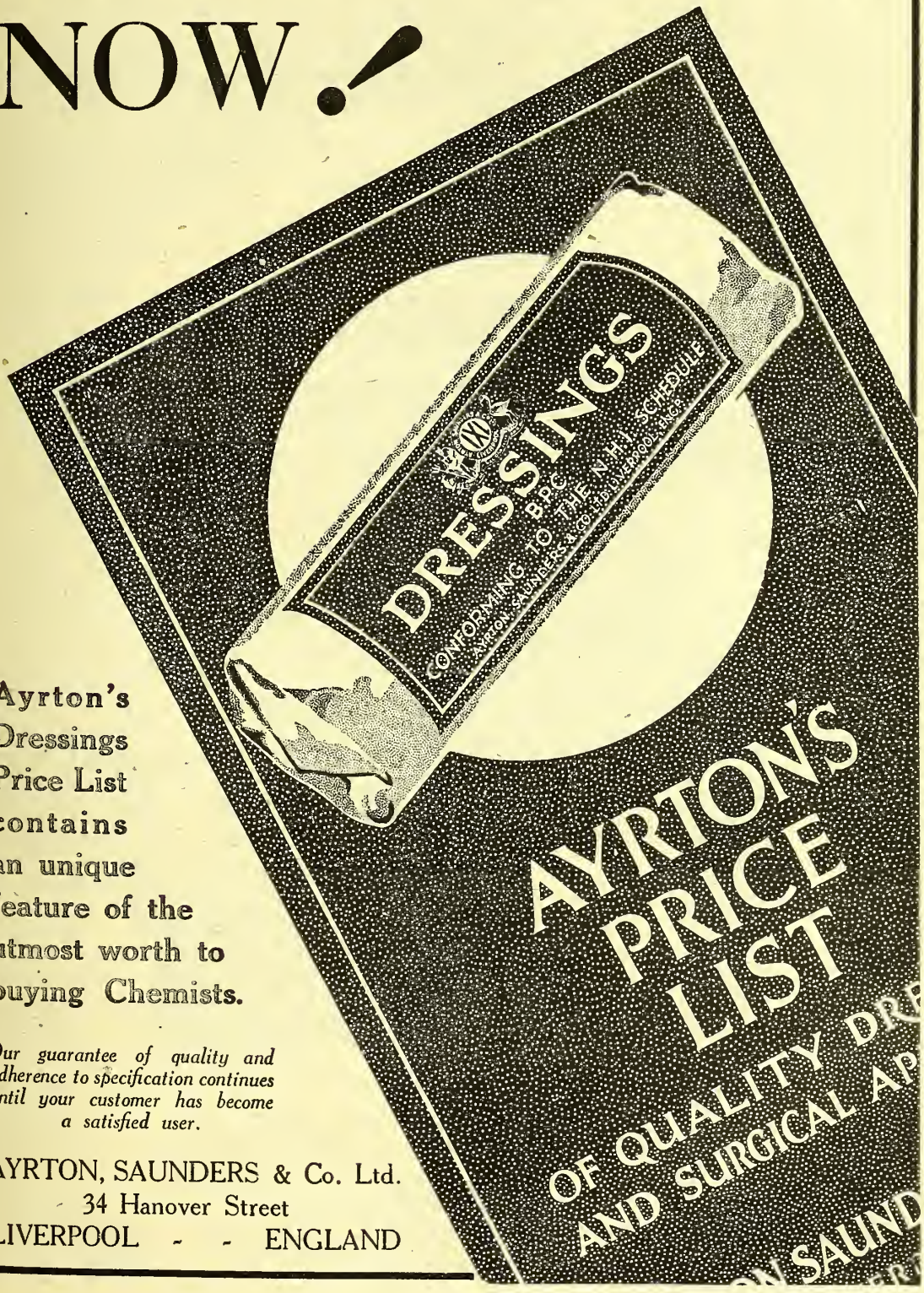
ROBINSON & SONS, Ltd.

Manufacturers of ROUND, OVAL, SQUARE AND FOLDING CARDBOARD BOXES,

CHESTERFIELD 117

Ask for it—buy from it

NOW!



Ayrton's Dressings Price List contains an unique feature of the utmost worth to buying Chemists.

Our guarantee of quality and adherence to specification continues until your customer has become a satisfied user.

AYRTON, SAUNDERS & Co. Ltd.
34 Hanover Street
LIVERPOOL - - ENGLAND

POPULAR ucal The Sign of Reliability RELIABLE

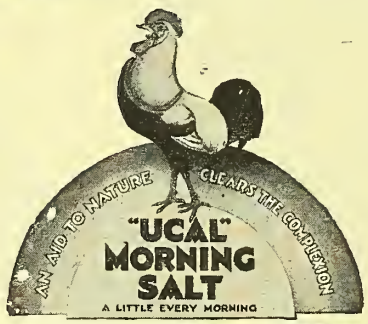
The Pack

and Show material which supersedes all others—

UCAL MORNING SALT

Shows good Profit and ever increasing Sales.

UCAL—*The Brand Pre-eminent!*



4½d. Size

COSTS - 3/- doz.
6 doz. - 2/9 „
Gross - 30/- „

7½d. Size

COSTS - 4/6 doz.
6 doz. - 4/- „
Gross - 45/- „

United Chemists' Association
LIMITED ('Phone 3021)
CHELTENHAM
and 4 and 6 KEITH GROVE, LONDON, W.12.
Telephone: "RIVERSIDE" 4641.

EMULSION Pastilles

The "Marble" Tin Series

IT pays to display and recommend Emulsion Pastilles in "marble" tins — to associate them definitely with your own pharmacy. The quality of the pastilles themselves is vouched for by many years of consistent popularity. The pack is exceptionally attractive and your customers will appreciate the evident care in presentation which is the outward and visible sign of extra care in preparation. The *minimum* profit is nearly 40% on selling price. In harmony with the display outer illustrated, a striking counter showstand is available with orders for 6 dozen and upwards.

LIST OF TITLES

ANTISEPTIC THROAT :: BLACKCURRANT & GLYCERINE BRONCHIAL :: :: :: :: CATARRH :: CHILDREN'S THROAT DELECTABLE :: :: :: :: EUCALYPTUS GLYCERINE (Hard or Soft) GLYCERINE & BLACKBERRY MENTHOL :: :: MENTHOL & EUCALYPTUS :: :: VOICE :: ::

The display outer, designed and lettered in black, white and gold.

To EXPORT BUYERS—All orders and enquiries should be addressed to our Sole Export Agents Wm. ALFRED JONES Ltd., West India House, Liverpool.

THOMAS KERFOOT & Co LTD
BARDSLEY VALE, LANCASHIRE,
& Bardsley House, London, N.1
ESTABLISHED 1797.

C/577

COPYRIGHT

A New Powder Puff
The "Sphere" Superb

SPHERE SUPERB—The Better Quality Velour Puffs.

Made from Sylkie-down Velour—the ideal puff material — it applies the powder smoothly and evenly without streaks.

Attractively boxed in assorted Colours and Sizes.

No. P.F.52. 3 dozen in a Box,
11/- per cabinet, as illustrated.

Also supplied handsomely boxed in Solid Sizes, assorted colours, 2″, 2½″, 2¾″, 3″, 3¼″, 4″.

Beautifully Coloured List with prices sent free on application.

Wholesale and Shipping only.

FAIRE BROS. & CO., LIMITED
RUTLAND STREET LEICESTER

Cabinet No. P.F.52, 11/- per Cabinet of 3 dozen.

Schimmel & Co.
A.G.

PUMILIONIS PINE OIL

CINNAMON BARK OIL
Genuine

SIBERIAN PINE OIL

PEPPERMINT OIL
All grades

Sole Distributors for United Kingdom:

Messrs. FREDK. BOEHM, LTD., 17 Jewry Street, LONDON, E.C.3.

Scottish Office: **140 West George Street, GLASGOW.**

TOILET PREPARATIONS

UNEQUALLED FOR VALUE IN BRILLIANTINES, DRY SHAMPOOS, LOTIONS, FACE CREAMS, ETC.

JULES FRÉRES

LIME CREAM AND GLYCERINE

THE BEST LINE EVER OFFERED TO THE TRADE

CAMEO SERIES

EQUALLY SATISFACTORY IN THE HOTTEST OR COLDEST CLIMATE

PRICES:

3 oz. Bottles	-	3/9	per doz.
4 oz. „	-	4/3	„ „
6 oz. „	-	5/6	„ „
8 oz. „	-	6/6	„ „

SEND FOR ILLUSTRATED CATALOGUE

ECINOS SERIES

JULES FRÉRES LTD.

(*Sole Agents:* P. H. GALLOWAY, LTD)

WALWORTH ROAD, LONDON, S.E.17

NOW ON

The Great Summer Shampoo Campaign

and the Public are minded to try something NEW and something better. Are you showing and selling

PACKER'S OLIVE OIL SHAMPOO

in the neat little **6d.** "finger-tip" Bottles?

By way of an appreciation of your support and assistance we shall give for a limited period

ONE DOZEN 6D. BOTTLES FREE

with every order for one dozen tablets of that easy-selling real Pine Tar Soap, each in a metal soap dish, at **10/6** per dozen—P.A.T.A. **1/3**—known and constantly advertised as "PACKER'S."

The new Olive Oil Shampoo can be bought separately in the 6d. and 2/6 size at **4/-** and **22/-** per dozen respectively.

Remember, it is only a step from the window to the counter, and if it is added business you want to-day, send in the coupon at once and get the line showing conspicuously whilst Summer Sun Shines and Shampoos Sell.

1 Doz. tablets Packer's Tar Soap - 10/6
These retail at - - - - - 15/-

1 Doz. FREE "Finger-tip" Bottles Packer's Olive Oil Shampoo, to retail at - - - - - - 6/-

TOTAL OUTLAY 10/6
TOTAL SALES - 21/-

Write to-day to

J.C. GAMBLES AND CO LTD

211-215, BLACKFRIARS ROAD. LONDON, S.E.1. PHONE HOP 6938-9

DEARBORN (1923) LTD.

37 Gray's Inn Road, London, W.C.1

Toilet Specialties.	Price per doz. to Retailer	Selling Price P.A.T.A.
PILENTA SOAP A complexion soap.	10/-	1/-
PROLACTUM For the lips.	10/-	1/-
PARSIDIUM JELLY For wrinkles.	10/-	1/-
ALLACITE OF ORANGE BLOSSOM A dressing cream.	22/6	2/6
BORANIUM A hair tonic.	22/6	2/6
CLEMINITE For a face lotion.	22/6	2/6
COLLIANDUM For a face tint.	22/6	2/6
PERGOL A deodorant.	22/6	2/6
TEKKO PASTE Camphor cream.	22/6	2/6
STALLAX For a shampoo.	13/6 22/6	1/6 2/6
JETTALINE For clearing the skin.	31/6	3/6
PHEMINOL A depilatory.	36/-	4/-
MENNALINE For the eyelashes.	36/-	4/-
MERCOLIZED WAX A face cream.	18/- 31/6	2/- 3/6
STYMOL For oily complexions and blackheads.	36/-	4/-
SILMERINE Hair-curling fluid.	22/6	2/6
BARSYDE Dandruff eradicator.	22/6	2/6
TAMMALITE For grey and faded hair.	22/6	2/6
LIQUID PERGOL To check excessive perspiration locally.	31/6	3/6
BICROLIUM For whitening the hands.	22/6	2/6
COCONOIDS For figure development.	31/6	3/6
SIPOLITE A new depilatory.	18/-	2/-

The Products of

Messrs. PARKER, BELMONT & CO.

CLYNOL BERRIES For obesity.	36/-	4/-
SOFT PALERIUM For wrinkles.	45/-	5/-
LIQUID NAIL POLISH Brilliant and lasting.	10/-	1/-

Stocked by ALL Wholesale Houses.

FOREIGN AND COLONIAL DEPOTS AND AGENCIES.

South Africa: LENNON, LTD., Cape Town, etc.
SIVE BROS. & KARNOVSKY, LTD., Johannesburg.
India: FRAMJEE & SON, Bombay.
A. L. CHOUDRY, Calcutta.
New Zealand: SHARLAND & CO., Auckland and Wellington.
Holland: N. V. v/h HENRI SANDERS, Amsterdam.
Denmark: KARL SCHULTZ & CO., Copenhagen.
Sweden: ENEQUIST HOLME & CO., A/B, Stockholm.
Irish Free State: MAY, ROBERTS & CO., LTD., Dublin.

Make two profits instead of one!

Whenever you are asked for a tin of "White Cross" Baby Powder with its 40% protected profit, it will need little, if any, effort to sell a tablet of "White Cross" Baby Soap also—two sales with two profits at the trouble of one.

Cussons' WHITE CROSS BABY POWDER AND BABY SOAP

are both supreme in their own way, and we will send any pharmacist a full size package of each on request so that he can form his own opinion.

RETAIL.—Powder, **10½d.**; *Soap,* **1/6** *per box of 3 tablets.*
TRADE.—Powder, **6/-** *doz.*; *Soap,* **11/6** *per doz. boxes.*

Cussons

KERSAL VALE, MANCHESTER

AMAMI
Elderflor
TOILET SERIES

BREAKING ALL RECORDS ◆ ◆ ◆ ◆

LAST week the sales of Amami "Elderflor" broke all records. We are receiving increased repeat orders from all over the country. The excellence of "Elderflor" preparations will maintain this trade: steady public advertising will attract new customers.

ORDER FROM YOUR USUAL WHOLESALER:

	per doz.
1/3 Vanishing Cream in pots ...	10/-
6d. „ „ in tubes ...	4/-
1/3 Skin Food ... in pots ...	10/-
6d. Skin Food ... in tubes ...	4/-
1/- Face Powder in 4 colours ...	8/-

Display the attractive "Elderflor" packages and take advantage of the rising demand. Generous profits are offered to chemists and special discount for window displays.

Write to-day for price list, attractive cut-outs and showcards to

PRICHARD & CONSTANCE
(Manufacturing) LTD.
11 BROAD STREET
LONDON
W.C.
2.

R-33

DAWSON'S DENTIFRICE

COST 3/- doz.

SELLS 6d.

Profit 100% on Cost

IN ALUMINIUM TINS. 9d. size 4s. 6d. per doz.

FREER'S LYSOL SHAVING STICK,
FREER'S DENTAL CREAM,
and several other lines.

Carriage and Packing FREE. Monthly a/cs.
SPECIAL QUOTATIONS for WHOLESALERS, SHIPPERS and LARGE BUYERS.
Write for Sample Tins.

FREER'S MFG. CO. LTD.
6/7 Norton Folgate, Bishopsgate,
London, E.C.
Phone: Bishopsgate 2209.

Patent No. 165982/20.

Highly nickel-plated.

A REMARKABLE BRITISH INVENTION
THE
"SPIRO"
SAFETY RAZOR BLADE SHARPENER
Every user of the "Watts" Safety Razor Blades is a potential purchaser.

STRONG AND SIMPLE

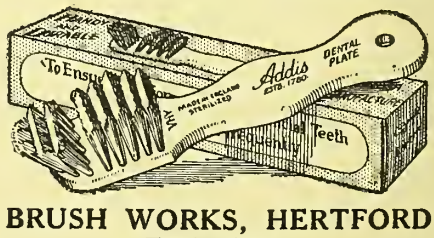
No troublesome fixing. Drop blade on two pegs, close box, turn handle and get a super-keen blade in a moment.

Retails at 21/- each.
Suitable for any Gillette Type or Watts Auto Strop Type Blades.
Allowing 50% profit on cost for the dealer.

Sole Manufacturer:
JOHN WATTS, Lambert Works, SHEFFIELD.
London Office & Showroom:
18 Soho Square, W.1. *'Phone: Gerrard 1306*

Addis
ESTB 1780

WINGED DENTAL PLATE



BRUSH WORKS, HERTFORD
ENGLAND.

HEADS UP!

THE NEW WAY IN SHAMPOOING

What was the old way of shampooing? Heads held down almost the whole time the hair was being washed. How uncomfortable. How tedious. How difficult to obtain a real cleansing of hair and scalp.

With Nestlé Radion Shampoo has come a revolution in shampooing. Indeed, it is more than a new shampoo. It is a scalp massage preparation and a hair tonic besides. It cleanses and beautifies the hair as no shampoo has ever done before. Women will quickly realise its advantages and if you show it in your window you will sell more shampoos than ever before. Men, too, will use it. And mothers will buy it for the whole family.

Produced in liquid form, Nestlé Radion Shampoo is applied while the hair is dry and the head in an upright, natural and comfortable position. It is massaged by the finger tips into the scalp and its tonic properties and cleansing agents penetrate into every pore. The whole head is then sprinkled with water and in a second is covered with a luxurious lather, which, when rinsed, carries away every trace of dirt and grease. The hair is cleansed to the very roots, the scalp tingles with new life, and a glorious sensation of freshness and vitality is experienced.

Nestlé Radion Shampoo is certain of immediate and enthusiastic comment from every one of your customers. You will find it an amazing selling line. The retail price is 1/9 per tube containing enough for twelve luxurious shampoos. The price to you is 14/- per dozen. Work this out and you will find yourself with a handsome profit on every sale.

Every Chemist who orders not less than one dozen tubes of Nestlé Radion Shampoo will receive a special introductory bonus of ¼ dozen tubes free of charge.

Send your order at once through your wholesaler while this offer remains open, or fill in and post the coupon below.

COUPON WORTH OVER 5/-

To C. Nestlé & Company, Limited,
48 South Molton Street, London, W.

Please send 1 dozen Tubes Nestlé Radion Shampoo at 14/- per dozen, together with free bonus of ¼ dozen tubes and Radion Shampoo Show Card.

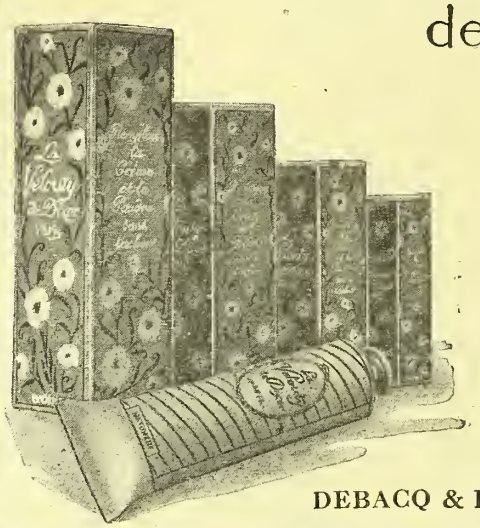
Name_____

Address_____

the original combined Cream and Powder

la VELOUTY

de DIXOR Paris



The advertised line that you are asked for.

NOW ON P.A.T.A.

Samples free upon receipt of trade card or billhead.

PRICES :—Full size pot -	21/- doz.	RETAIL	2/9
Super tube -	22/- ,,	,,	3/-
Large tube -	14/- ,,	,,	2/-
Medium tube	7/- ,,	,,	1/-
Handbag tube	3/- ,,	,,	6d.

Made in four shades :

WHITE, IVORY, NATURAL and OCHRE.

Obtainable from your regular Wholesaler or direct from the Sole British Agents:

DEBACQ & HARROP, 68 Newman St., Oxford St., London, W.1

POWDER PUFFS

Latest Novelties

WILLIAMSON BROS. LTD.

177 SOUTHWARK BRIDGE RD., S.E.1

Hop 3419

FREE! 3 DOZEN BLADES. FREE!

"AMO" AS SPECIAL INTRODUCTORY BONUS WITH EACH GROSS ORDERED

Per Gross Post Free **8/-** Per Gross Post Free

AMO GUARANTEED HAND HONED SHEFFIELD STEEL RAZOR BLADE OF SHEFFIELD STEEL REG. No. 483998 MADE IN GERMANY

AS GOOD AS REALLY GOOD BLADES CAN BE

IT PAYS YOU BEST! PUT "AMO" TO TEST.

ORDER NOW! STUDY YOUR PROFITS!

L. FRANKENBERG

125 HOUNDSDITCH, LONDON, E.1.

Money refunded if not satisfactory. Send for Free Testing Sample.

Telephone No.: AVENUE 8846.

Telegrams: UZE CARNOS Ald. London.

WHOLESALERS PLEASE WRITE FOR SPECIAL TERMS.

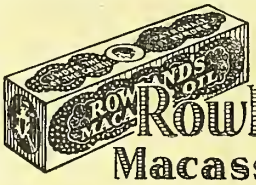
Tried & Proved

Rowland's Macassar Oil is no new preparation; it has been used all over the world for more than 135 years and everywhere it is held in the highest esteem. It is guaranteed to contain no injurious substance

P.A.T.A. **3/6, 7/- & 10/6**

Red for dark hair; golden for fair or grey hair.

From all Wholesalers



Rowland's Macassar Oil

A. ROWLAND & SONS, Ltd., 112 Guilford St., London. W.C.1

RM4T

HAVE YOU STOCKED

NESTOL

THE WONDERFUL BABY HAIR CURLER?

Write for trade terms to

C. NESTLÉ & CO., LTD.

48 South Molton Street, LONDON, W.1

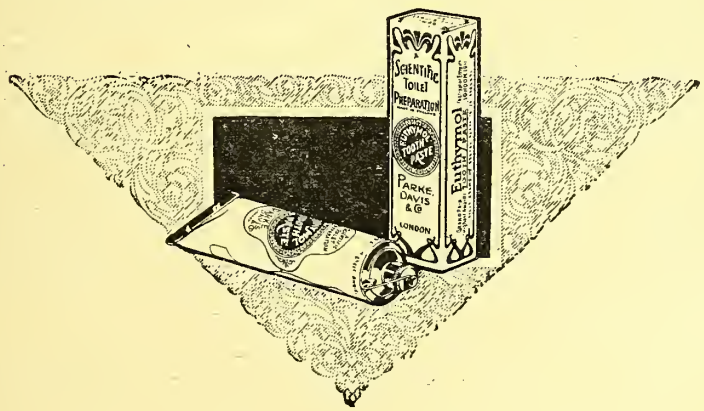
Merit

EUTHYMOL Tooth Paste has attained its present position in public esteem through merit. The claims made for it are based on the demonstrable properties of the product. It is a well-made, scientific preparation, thoroughly worthy of the professional recommendation which it receives.

Every pharmacist is in a position to know by his own experience whether or not Euthymol Tooth Paste is improving its place in general demand; and to judge if its merit renders it deserving of his own support.

Euthymol advertising, which appears in the more important and influential newspapers and magazines of the country all the year round, is conservative but constant.

Euthymol Tooth Paste never becomes dead stock. Pharmacists will be well advised to take advantage of the special terms available for them, if they have not already done so; and to keep Euthymol well displayed.



PARKE, DAVIS & CO., BEAK STREET, LONDON, W.1

B B

The Soap made with the expressed juices of living plants.

A London Chemist says—

"I have been using this H.B.T. Aseptic Soap for months and it is superior to anything on the market both for Toilet and Shaving. This Soap only requires to be known."

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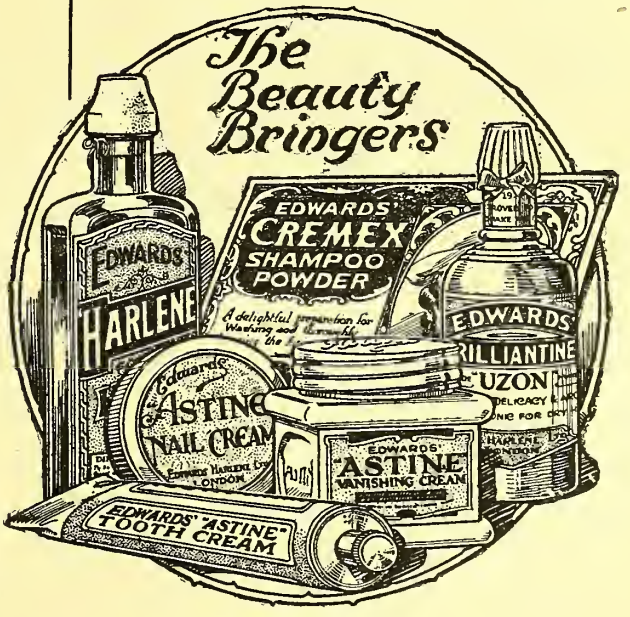

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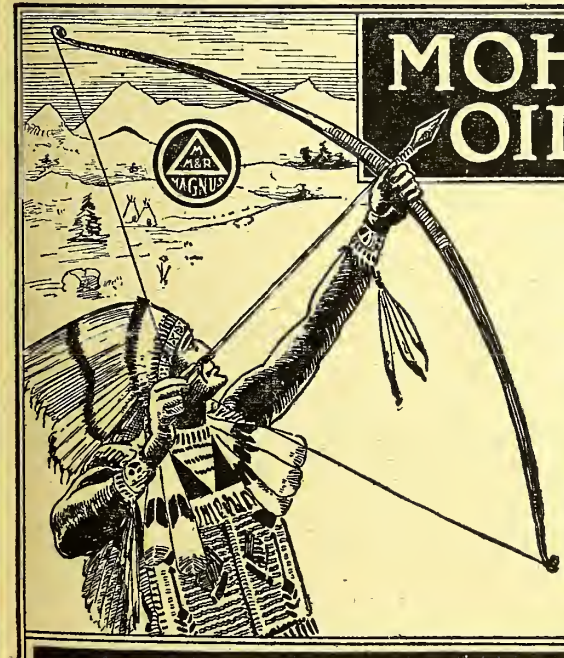

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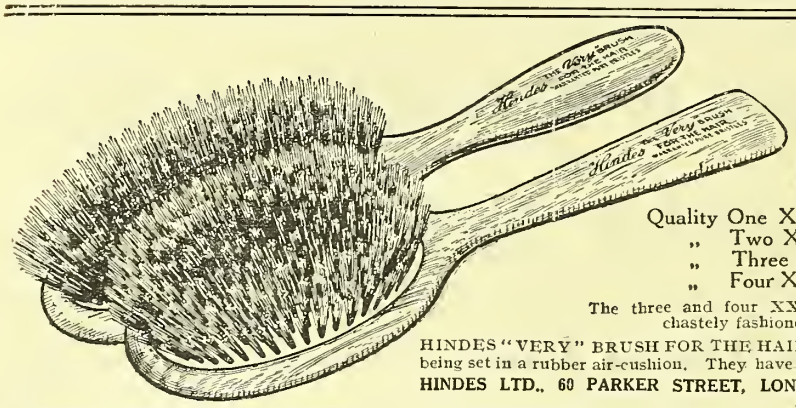

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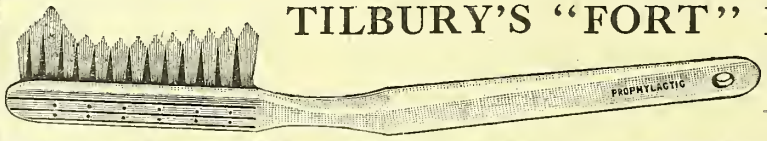

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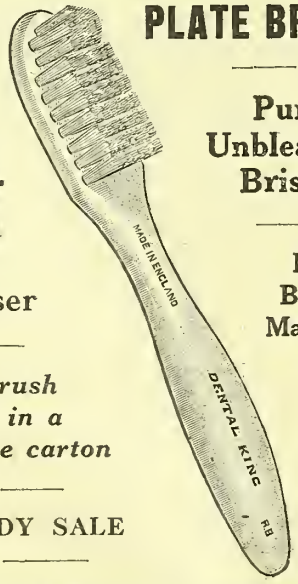

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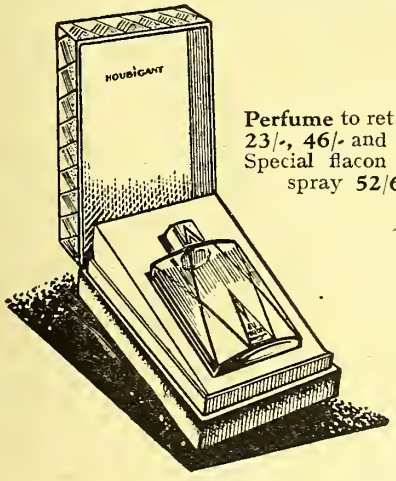

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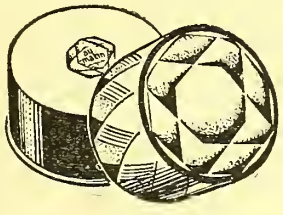

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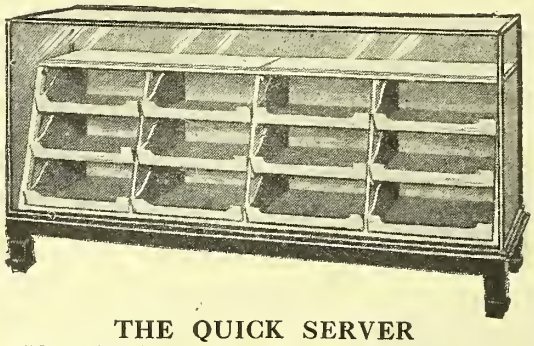

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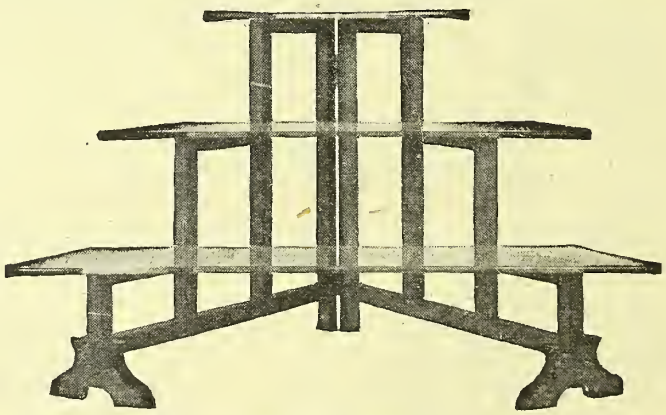

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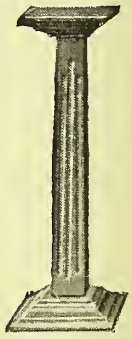

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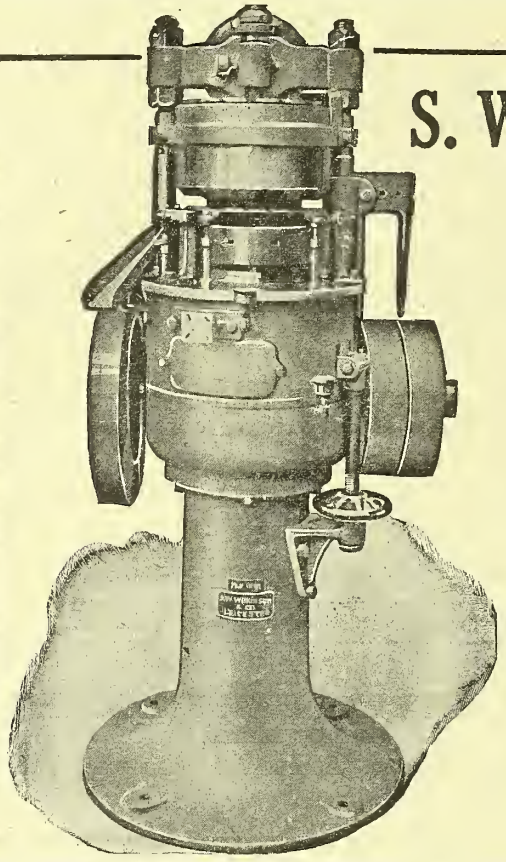

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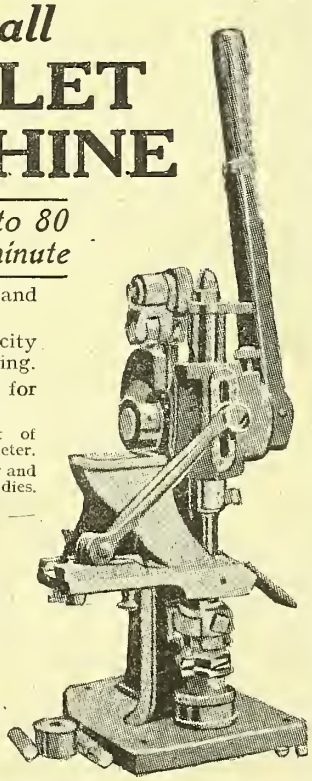

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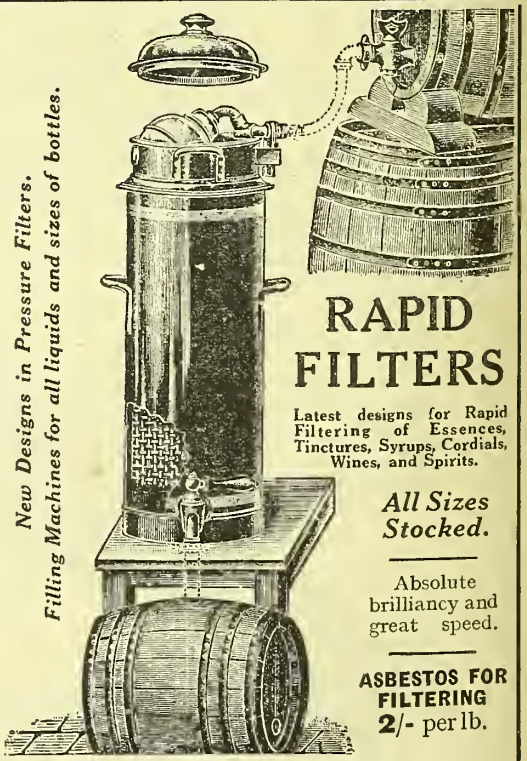

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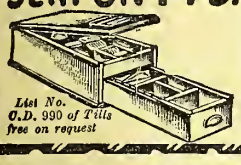

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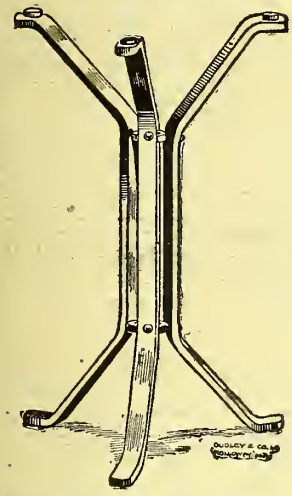

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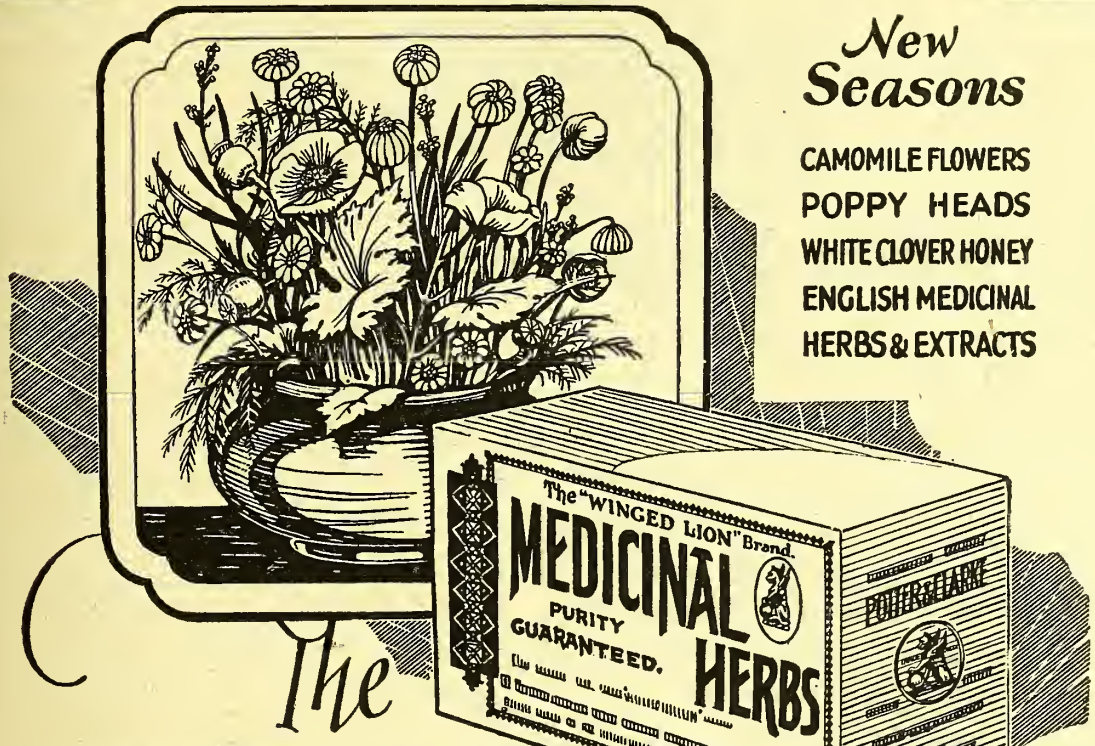

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Contents

No. 8 Series 2533 Vol. 109

	PAGE
American Notes	249
Bankruptcy Reports	250
Births	256
Books, New	256
C. & D. Commercial Compendium	269
Choosing an Employer	261
Correspondence:—	
Letters	267
Subscribers' Symposium	267
Legal Queries	268
Miscellaneous Inquiries	268
Deaths	256
Editorial Articles:—	
Voltaire as a Patient	258
Trade in Oil Seeds and Oils	259
How it Strikes Contemporaries	260
Postal Cheques	260
Duty on Enamelled Hollow-Ware	260
English News	247
French News	249
Information Department	256
Insurance Act Dispensing	262
Irish News	248
Marriages	256
New Companies and Company News	250
Observations and Reflections	257
Pathways of the Pyrenees	251
Recent Patents	247
Retrospect	268
Scottish News	248
Sporting Events	249
Sterilising Sharp Instruments	261
Trade Marks	255
Trade Notes	255
Trade Report	263
Wills	256

Recent Patents

Abstracts of specifications of recently-granted patents for inventions. The complete specification (1*s*. each including postage) of any British patent can be obtained from the Patent Office, 25 Southampton Buildings, London, W.C.2, on quoting the name of the patentee and the number of the patent.

Acetic Acid.—A process for the manufacture of acetic acid in which a paste of gypsum and acetic acid, made from lime acetate and sulphuric acid, with no excess of sulphuric acid, is treated continuously with lime acetate and sulphuric acid so that the sulphuric acid reacts upon the dissolved acetate, the products of the reaction being continuously withdrawn. (Chem. Fabrik auf Aktien. 284,143.)

Gold Nucleic Acid Compounds.—The manufacture of complex gold nucleic acid compounds by causing the reaction between a nucleic acid or a water soluble salt thereof (sodium nucleate) and gold chloride to take place under neutral or alkaline conditions or in acid solution, treating with alkali the product obtained, neutralising or feebly acidifying and finally precipitating by means of alcohol. (Soc. Chem. Industry, Basle. 276,677.)

English and Welsh News

The Editor will be obliged if subscribers will send him marked copies of newspapers containing items of interest for insertion in this or other news sections.

International Opium Convention, 1925

The Home Secretary gives notice that the Dangerous Drugs Act, 1925, which was passed to give effect to the International Opium Convention of 1925, will come into operation on September 25 next, the date on which the Convention comes into force. The chief alterations made by the new Act will be the extension of control to Indian hemp and the resin obtained from it (hashish) and any extract or tincture of Indian hemp; and to preparations containing less than one-tenth per cent. of diacetyl-morphine (heroin), which up to now have been exempted. After September 25 a licence will be required for importing or exporting any of these drugs. The Dangerous Drugs Act, 1925, which comes into force on September 25 next, will modify the definition of medicinal opium for the purposes of the Dangerous Drugs Acts. It will mean in future raw opium which has undergone the processes necessary to adapt it for medicinal use in accordance with the requirements of the British Pharmacopœia, whether it is in the form of powder or is in any other form, and whether it is or is not mixed with neutral substances.

Home Office, Whitehall, August 17, 1928.

Dangerous Drugs Act, 1920

The Home Secretary wishes to draw attention to the fact that by Order in Council made under Section 8 (2) of the Dangerous Drugs Act, 1920, Part III of that Act, which provides for the control of morphine, heroin and cocaine has been applied to the following drugs:—Benzoyl-morphine, dihydro-oxycodeinone, dihydro-codeinone and their respective salts, and to any preparation, admixture and extract containing them. Benzoyl-morphine is an ester of morphine, which, because it is not subject to the International Opium Convention and because morphine can be easily recovered from it, has been manufactured recently in large quantities on the Continent for export to the Far East. The League of Nations has recommended that its manufacture, sale, etc., should be controlled in the same way as morphine. Dihydro-oxycodeinone and dihydro-codeinone are produced as pharmaceutical products, usually in the form of salts, by certain German firms under the trade names of "Eucodal" ("Eukodal") and "Dicodide" respectively. The League has reported that these drugs possess similar narcotic properties to those of morphine, and recommended the application of the same system of control. None of these drugs is manufactured, so far as known, in Great Britain.

Home Office, Whitehall, August 17, 1928.

[The Order in Council was made on August 14 and was published in "The London Gazette" of August 17. —EDITOR.]

Merchandise Marks Act, 1928

The Standing Committee (General Merchandise) appointed by the Board of Trade under the Merchandise Marks Act have reported on their inquiry as to whether imported cutlery should be required to bear an indication of origin. The report is published by the Stationery Office (Cmd. 3180, 2d. net). The Committee recommend, *inter alia*, that the indication of origin of imported safety razor blades is to be printed or indelibly stamped on the outside box or container and also on any inner envelope.

Inquests

The inquest on Mrs. Llewellyn, Llanelly (*C. & D.*, August 4, p. 151), was resumed on August 21. After the coroner had been informed that Sir William Willcox had not completed his report, the proceedings were again adjourned.

The West London coroner held an inquest, on August 13, on the body of Dr. Charles F. V. Kebbell, Earl's Court Square, Kensington, who was found unconscious in bed and died some hours later. Empty bottles which had contained adalin tablets were found in his room. Sir Bernard Spilsbury said that death was due to coma from

a fatal dose of one of the veronal group of poisons. After remarking that the fatal dose of adalin is not known, the coroner recorded an open verdict.

At Nottingham, recently, the city coroner concluded an inquiry concerning the death of Winifred M. Underwood, hairdresser's assistant, who was found dead at her residence on July 11. Dr. L. O. Taylor, police surgeon, gave the result of a *post-mortem* examination, and said death was due to heart failure apparently caused by a dose of atropine. Mr. S. R. Trotman, city analyst, said that 0.01 gr. of atropine was found in the stomach, and could not have found its way into the body through food. The amount was nothing like a fatal dose. The coroner pointed out to the jury that the pills mentioned in the case had not been made by a pill manufacturer. The jury returned a verdict to the effect that the girl died from an overdose of atropine.

Birmingham

The principal of the Brierley Hill Technical Institute, Dr. H. B. Cronshaw, resigns on September 30, and his place will be taken temporarily by Mr. L. Wilcox.

At Birmingham Police Court, on August 17, several tradespeople were summoned for selling lysol or Jeyes' fluid in a wrapper which, although marked "Poison," did not bear the name and address of the seller. It was stated that the prosecutions were instituted by the Corporation as a warning to shopkeepers who usually dealt in these articles merely as a side-line. Each defendant was fined 10s.

Liverpool

The shop window of Mr. W. Burgess, Whitechapel, was broken on August 18 by a horse attached to a heavily loaded lorry. Within a few hours, however, the glass was replaced.

The Liverpool "Daily Courier" published in its issue of August 16 a series of photographs illustrating the works of Joseph Crossfield & Sons, Ltd., and The Erasmic Co., Ltd., Warrington.

Miscellaneous

THEFT OF CAMERAS.—A window at the pharmacy of Mr. H. Knight, chemist and druggist, 21 Merton Road, Wimbledon, London, S.W.19, was broken on August 19 and a number of cameras were stolen.

RECEPTACLES FOR POISONOUS DISINFECTANTS.—The Minister of Health has issued a circular (No. 909) calling the attention of local authorities to the fact that ". . . . poisonous disinfectants should be supplied only in containers distinguishable by touch from ordinary bottles, and that the containers should be labelled boldly in red with the words 'Disinfectant—Poison—Not to be taken.'" Extracts from Orders in Council relating to the sale of such substances are printed on the circular.

FIRES.—The following outbreaks of fire have been recorded since our last report:—An outbreak occurred on August 16 at the premises occupied by Mr. F. A. Goodwin, Ph.C., Plymouth. The flames were soon subdued, and the damage was not of an extensive nature.—Owing to a light being thrown down there was an outbreak on August 18 at the premises occupied by Mr. J. H. Browne, wholesale perfumer, Great Queen Street, London, W.C. The flames were confined to a room in the basement.

IN THE COURTS.—At Bridport, on August 10, Robert Webb was sentenced to four months' hard labour for stealing bottles of perfume, etc., value 10s., belonging to Mr. T. E. Beach, chemist and druggist, East Street.—At the Mansion House Justice Room, London, on August 17, Captain H. E. Hobbs, manager of the advertisement department of Spratt's Patent, Ltd., Fenchurch Street, E.C., was fined 40s., with costs, for having published a competition scheme which was held by the magistrate to be a lottery. It was stated that competitors had to fill up on the back of an entry form found in the packets the names of the thirteen varieties of dog food sold by the company, in the order of popularity to be decided by the votes of the people who entered into the competition.—In Boston County Court recently, Mr. S. J. Hurst, chemist and druggist, obtained judgment in the sum of 10s. 10d. against George Dixon, Woodville Road, for distemper supplied.

Irish News

Drug and Medicine Imports

From the official import returns lately issued by the Irish Free State Ministry of Industry and Commerce, we have compiled the following table showing the imports of drugs, perfumery, medicine and druggists' wares, etc., imported into the Irish Free State during the three months ending with March last with the corresponding period of 1927:—

	January—March			
	1927		1928	
	Quantity	Value	Quantity	Value
		£		£
Boric acid .. .. cwt.	64	131	160	363
Acids, other .. ,,	1,662	2,087	2,087	2,670
Cream of tartar .. ,,	1,417	5,541	1,449	6,675
Ammonia compounds ,,	248	603	309	562
Perfumery containing spirit .. .. lb.	9,291	3,251	10,110	3,540
Other perfumery .. ,,	99,648	16,429	159,337	18,309
Medicines and preparations dutiable	—	29,361	—	29,922
Medicines and preparations non-dutiable	—	53,126	—	57,462
Druggists' wares	—	8,721	—	9,678
Linseed oil (unrefined) cwt.	2,386	4,636	2,734	5,033
Linseed oil (refined) ,,	2,978	5,735	3,530	6,605
Castor oil .. .. ,,	735	3,408	702	3,592
		£133,029		£144,411

Brevities

Many Belfast pharmacies received a fillip in business through the international motor race in the vicinity of the city on August 18. Several enterprising chemists opened as early as 6 a.m. on that day for the sale of films and other goods.

At Abbeyleix District Court, recently, Mr. Richard H. Armour, Ph.C., was summoned for having sold lime water which was certified by the public analyst to be 39.6 per cent. deficient in lime. Roy Dugeon, assistant in Mr. Armour's shop, gave evidence that if air got at the lime water it would decrease the quantity of the lime. They would sell about a pint per week. A fine of 5s., with 14s. costs, was imposed.

Scottish News

Glasgow

The next meeting of the ladies' golf section of the Glasgow Pharmacy Club is to be held on August 28. The venue is to be the Deaconsbank Public Course, and members are asked to assemble by 3 p.m.

At Glasgow, recently, for having sold ¼ lb. of white pepper which had been admixed with 15 per cent. of rice starch, John Marshall & Son, grocers, Saracen Street, were fined £2 2s., the amount of the expenses incurred by the prosecutors.

Perth

Mr. Thomas Harley, Perth, is relinquishing retail pharmacy about September 10, with the view of devoting his entire time to the Rodine department, where extensions are contemplated. Mr. William Fulton, chemist and druggist, is taking over the retail shop at 29 High Street.

A correspondent, commenting on the chemists' windows in Perth, writes:—"The windows of Strang's Pharmacy (Mr. J. B. Macdonald) are tastefully dressed with Hudnut's Three Flowers toilet preparations; Mr. Thomas Harley gives prominence to Zenobia lines; Ferguson's Pharmacy (Mr. John J. Forbes) devote space to a very effective Coty display, Californian Poppy and Armand preparations; for a really pharmaceutical window, Reid & Donald, George Street, take pride of place. Pharmacy of the good old days is here demonstrated—chemicals, together with roots, barks and herbs, all in glass containers, combine to impress the passer-by with the 'dignity of pharmacy.' Dandie & Co., High Street, also have a dignified pharmaceutical appearance. Altogether the Perth chemists' windows are excellent."

Sporting Events

A RETURN cricket match was played between teams representing Evans Sons Lescher & Webb, Ltd., and the Wardle Cotton Co., Ltd., on August 18, when the Manchester team was entertained at Liverpool. The visitors won the toss, and taking first knock, compiled a total of 61 runs. After the players and supporters had partaken of an excellent tea, the "Elco" team resumed their innings, but were not successful in reaching the visitors'

total, failing to do so by the small margin of 13. Of the 48 secured by the home team, 17 were contributed by Mr. Carney. Wardle's captain, Mr. Lloyd, was unbeaten at the same score, and assisted in the dismissal of the home team by taking six wickets for 11 runs. In thanking Mr. Bowen and his committee for the hospitality and welcome which the visitors had enjoyed, Mr. Lloyd expressed the hope that these fixtures should become annual events.

American Notes

DR. CHARLES H. LAWALL, Dean of the Philadelphia College of Pharmacy and Science, was recently entertained to dinner by the New York branch of the American Pharmaceutical Association and presented with the Remington Medal in recognition of his services to pharmacy.

MONSANTO CHEMICAL WORKS DEVELOPMENTS.—In order to provide for the future expansion of its St. Louis fine and medicinal chemical manufacturing plant, Monsanto Chemical Works has recently purchased all of city block No. 715 and one-half of city block No. 716, which property is immediately south of the present plant. The company had previously acquired the other one-half of city block No. 716, and the public streets and alleys separating these blocks from the present plant have been closed by municipal ordinance.

CLINICAL THERMOMETER STANDARDS.—At a conference of manufacturers, distributors and users of clinical thermometers, held at Washington, recently, a standard of minimum requirements was agreed upon. The manufacture of such thermometers will commence on October 1, and manufacturers are to have until March 30, 1929, to clear existing stocks. Among the standards to which the new thermometers will be required to conform are that Fahrenheit thermometers shall be graduated to 0.2 degree; Centigrade thermometers to 0.1 degree. There shall not be more than 10 degrees F. or 5.5 degrees C. per inch of scale; the range of scale shall be at least from 96 F. or 35 C. to 106 F. or 41 C. The normal point, except for veterinary use, shall be designated by an arrow or other mark at 98.6 F., and in lieu of that numeral 37 on Centigrade thermometers. All thermometers shall be aged for a period of at least four months, ageing to begin after the completion of the construction. With each thermometer there shall be the statement of the manufacturer, undersigned, certifying that the thermometer will meet the requirements.

French News

From the "C. & D." Paris Correspondent.

NEW ASSOCIATIONS. — The Pharmacists'-Biologists' Association, which includes a number of French pharmacists who are the heads of biological laboratories, held its first meeting at Paris recently. M. Rodillon (Sens) was elected chairman, M. Ronchese (Nice) and M. Guillaumin (Paris) vice-presidents, and M. V. Clogne (Paris) general secretary. The Association of Manufacturers of Opotherapic and Organo-Therapic Products includes some leading firms. These laboratories hope to increase the demand for biological specialities abroad.

THE ASSOCIATION FRANÇAISE met this year at La Rochelle, the old town which this year celebrates the tercentenary of its historic siege, and has still kept much of its old world aspect. In the Pharmaceutical Science Section papers were given by M. Goise on the preparation of hydrargyrum cum creta by chemical means, MM. Leulier and Dechanel on 2-6 dibromoparanitrophenol, and by M. Laguet on formol. In the Chemical Section Dr. Couloume dealt with chlorides in the blood, and Prof. Freundler of the presence of strontium in seaweed. In the Botany Section M. Fouillade read a note on *Carex lepidocarfa* and *Orobanche platystigma*. Several other papers on local flora were presented.

THE FEDERATION OF HERBALISTS of France is opening a special school for the preparation of candidates for the official Qualifying examinations held at the faculties and schools of pharmacy. Morning and evening classes are to be organised in general and medical botany and the identification of plants, as well as special botanical excursions. Classes will cover the elements of organic and analytical chemistry, the chemistry of plant life, jurisprudence (regarding the healing arts) and hygiene. All pupils must be over twenty years of age, and a certificate of competency will be granted. The school is in the rue du Temple, in the "Hotel Montmor," one of those old eighteenth-century town mansions which still stand in this (the wholesale drug trade) quarter of Paris. Several of these buildings are now occupied by well-known drug houses, and this narrow-streeted ex-Mayfair of Paris is being transformed by street-widening. Poulenc Frères have just built a very smart modern six-story warehouse not far away, opposite Adrian's old-world mansion.

THE death is announced of Professor Leon Guignard, honorary dean of the Paris Faculty of Pharmacy, and director of the Superior School of Pharmacy from 1900 until 1910. Born in 1852, he came to Paris for his pharmaceutical studies, served behind the counter in the rue du Bac, and was house pharmacist at the old Pitié, the dilapidated but historical hospital since demolished, of which the barnlike pharmacy held at that time many young "potards" whose names have since become well known to science. After taking his diploma in 1882, he turned his attention to his life-work, botany, and was for a short time at the Jardin des Plantes. From there he went to the Lyons Faculty of Sciences, but returned to Paris four years later, when the chair of botany fell vacant at the Superior School of Pharmacy. For nearly forty years he held this post as titular professor, only leaving it when compelled to retire recently by the age limit. During his directorship of the school he turned its botanical garden from a waste to a place fit for study, built a botanical laboratory, and created the laboratories of micrography and microbiology, the branches of botany in which he specialised. He was also a pioneer in the study of bacteriology. He was a member and ex-president of the French Botanical Society, a member of the Academy of Agriculture, of the Academy of Medicine, and of the Academy of Sciences, and acted as president of the latter body during 1919. The degree of doctor of pharmacy and the creation of a university diploma of pharmacist for foreigners were other features of his decade of directorship. He was head of the School (now the Faculty) of Pharmacy at the time it celebrated its centenary, and the handsome volume he edited and prefaced in commemoration of the event is a valuable work of reference.

New Companies
and Company News

P.C. means Private Company and R.O. Registered Office.

CARNEY'S MEDICAL HALL, LTD. (P.C.).—Registered in Dublin August 15. Capital £100. Objects : To carry on the business of pharmaceutical, veterinary, dispensing and manufacturing chemists. The subscribers are S. Carney, Medical Hall, Ardee, co. Louth, chemist, and J. Dolan, Ardee, co. Louth, merchant.

"ONZO," LTD. (P.C.).—Registered in Edinburgh on August 14. Capital £3,150. Objects : To acquire all rights in the registered name "Onzo." To manufacture, prepare and sell an ointment to be known as Onzo Ointment or any other preparation or article, etc. The directors are J. Williamson, D. C. Williamson, and W. G. Dunlop. R.O. : 188 St. Vincent Street, Glasgow, C.2.

UNITED DRUG CO.—Early this year the United Drug Co. of America and Sterling Products effected an amalgamation (*C. & D.*, February 11, p. 166 and April 14, p. 469) by an exchange of common shares in a holding concern named Drug Products, Inc. The shares of the latter are of no par value, and a dividend of $1 per share, payable in September, has just been declared on them. A maiden distribution of like amount was paid in June. This on a quarterly basis is at the rate of $4 per annum, and represents a considerable advance on what holders were receiving on their scrip in the United Drug Co., which latterly was getting distributions of 7¾ per cent. per annum, rising towards 9 per cent. at the close of 1927. If the exchange of shares took place as originally arranged (says the "Financial Times"), the $4 per share is equivalent to 10 per cent. on the old United Drug ordinary capital. The increase is not improbable, for the United Drug retail organisation, the Louis K. Liggett Co., has been doing a substantially increased business of late, and the arrangement with Sterling Products must naturally have brought about some economies and restricted competition. Drug Products, Inc., is purely a proprietary and controlling company, and both the United Drug and Sterling Products remain independent units. The position of the Boots Pure Drug Co., in which the United Drug has a dominant interest, is, therefore, in no way altered. Agents for the sale of Rexall products, which are manufactured by the United Drug and some, at least, in England, by the Boots Co., are being given the opportunity of taking up five Drug Products shares at $7 below the market price.

Voluntary Liquidation

G. Arnold & Co., Ltd., 82 Mark Lane, London, E.C.3, drug and chemical merchants.—In pursuance of the provisions of the Companies Consolidation Act, a meeting of the creditors was held on August 15 at Kennans House, Crown Court, Cheapside, E.C., when Mr. D. Lewis, of Dix, Lewis, Caesar & Co., C.A., the liquidator in the voluntary liquidation of the company, presided. According to a statement of affairs the liabilities totalled £5,411, of which £4,904 was due to unsecured creditors, and there were partly secured creditors whose claims amounted to £802, and they held securities valued at £295, leaving them unsecured for the sum of £507. In addition, there were fully secured creditors for £1,353 and they held security valued at £1,500. The assets consisted of an amount due from the receiver for the debenture holders, £150; stock on hand, £450, expected to produce £350; insecticide rights, £600, estimated at £300; an interest in a celery seed joint venture put down at £294; book debts, £2,029, valued at £200; a bill of exchange, £21; and surplus from securities in the hands of fully secured creditors, £147. The total assets were, therefore, £1,462, leaving a deficiency of £3,949. Dealing with the insecticide rights, the liquidator said that Mr. Arnold, a director of the company, owned certain rights in that connection, and they were in some quarters thought to be very valuable. The company purchased those rights from Mr. Arnold for £600, but the amount had been credited to Mr. Arnold's account and not paid to him directly. The interest in the celery seed joint venture was connected with cornering the celery seed crop for 1926. Another firm took over the interests held by G. Arnold & Co., Ltd., and it was agreed that if any profits were made out of the venture a quarter of those profits should be handed over to G. Arnold & Co., Ltd. It was hoped that in the near future a profit would be made. The company was incorporated on May 8, 1924, and the issued capital was £501, all of which was paid for in cash. The shareholders were Mr. and Mrs. Arnold. The directors were Mr. Arnold and Mr. Davenport. Mr. Goldsmith was also a director from October 22, 1925, to July 15, 1927. Mr. Lewis explained that in no period had the profit and loss account shown a balance on the right side. During the first year's trading there was a loss of £225, for the next year a loss of £238, and for the year down to June 1927 a loss of £322. The primary cause of the present position was, according to the liquidator, insufficient capital. In January last a Mr. Blasius was introduced to Mr. Arnold, and owing to the shortage of working capital it was arranged that Mr. Blasius should advance the sum of £2,000 in cash to the company. That amount was duly lent and Mr. Blasius drafted a short agreement. Shortly afterwards the lender became dissatisfied with the position of the company, and on June 28 last a debenture was prepared for £2,000 and was completed by the company. There was one clause in the debenture which stated that the money was repayable on demand. That demand for repayment was made about fourteen days later, and in July Mr. Blasius appointed a receiver. The receiver had not carried on the business but had collected some of the assets. After the receiver took possession Mr. Arnold decided to form a new company, and accordingly G. Arnold & Co., Ltd., passed the necessary resolutions for voluntary liquidation and Mr. Lewis was appointed liquidator. The gross profit for the three years down to the date of the voluntary liquidation was £3,596, and against that the expenses of carrying on the business for the same period amounted to £5,519. Mr. Blasius, who was the largest unsecured creditor, proposed that Mr. Carter, who had been the receiver for the debenture holder, should be the liquidator in the place of Mr. Lewis and that application should be made to the Court to carry that resolution into effect. Most of the other creditors present, however, considered that it would be unnecessary to appoint any other liquidator, and eventually a resolution was passed confirming the appointment of Mr. Lewis as liquidator, together with an informal committee of inspection consisting of three of the creditors. The following are creditors :—Blasius, E. W., £2,101; Blain et Cie, £1,677; Goldsmith, J., £495; bankers, £400; Franck, G. C. W., £345; McMeekin & Co., £83; Joensson, A., & Co., Inc., £55; Twining, Crosfield & Co., £54; creditors under £50, £143.

Bankruptcy Report

Re Cecil Godfrey Young, "Lenbury," Bellhouse Lane, Eastwood, Essex, and 241 London Road, Westcliff-on-Sea, drug-store proprietor.—The first meeting of creditors was held on August 17 at 29 Russell Square, London, W.C.1, when the case, being a summary one, was left in the hands of the Official Receiver as trustee. Debtor attributed his failure to loss incurred in the purchase of a drug store which was successfully claimed by the vendor's trustee in bankruptcy and law costs. It appeared that in 1927 debtor purchased for £228 1s. 9d. (using for the purpose £200 given to him by a friend) a drug store at London Road, Westcliff, but the vendor was shortly afterwards adjudicated bankrupt, and as a result of proceedings brought against him by the trustee of the vendor's estate, the Court, in June 1928, decided that the transfer to him of the business was void, and ordered him forthwith to deliver up possession and to account for all the property taken over by him under the purported transfer. Debtor's own costs amounted to £70, which he paid out of the takings, and he gave up possession of the business on June 26, 1928, and being unable to make good the deficit found to be due on the re-transfer of the business, he instituted the present proceedings. Debtor returned a statement of affairs showing liabilities of £470 6s. 4d., against assets of £4 19s. 2d., or a deficiency of £465 7s. 2d.

Pathways of the Pyrenees

By Ethel K. Hughes, Ph.C.

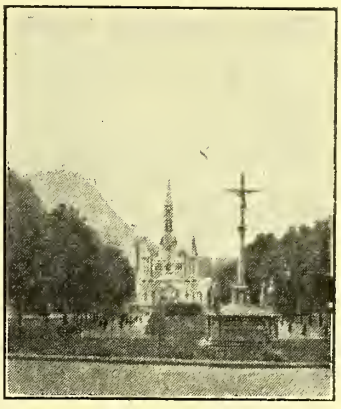
To a confirmed tramp the paths of any mountain region form one of its most fascinating features. Those of the Pyrenees are especially so because of their number and antiquity. If not actually as old as the eternal hills, round which they wind in such charming zigzags, nevertheless the paths of the Pyrenees go back into that dim past when the first man tracked his prey from hill to hill, and found certain spots more suitable for his hunting than others. The paths of the Pyrenees are elusive to a degree; veritable little will o' the wisps are they, winding, changing, and losing themselves in the coarse grass and stony patches which so often occur in these mountain regions.

La Rhûne

We made our first acquaintance with the Pyrenean paths on a September morning, when we left Biarritz to walk up La Rhûne, which is the last height of the range on the western side. It is 2,955 feet high, commanding a magnificent view of Spain on the south, the Atlantic Ocean to the west, and all the chief Pyrenean peaks, as far as the Pic de Bigorre, on the east. We took the train to St. Jean de Luz (another ancient and picturesque Basque town), and then the quaint little tram to Ascain, where we saw the national game of pelota being played. At Ascain we began our walk. From the beginning the way was very difficult to find; it ran the opposite side of the mountain to the funicular railway, so that was no help. Everyone we asked said, "It is a long way—you will be tired," so we concluded that the mountain railway had done its demoralising work. At length we found a good road (too good, if we had thought of it). We followed it to its bitter end in a stone quarry. The quarry men seemed friendly and very interested in us. They directed us to a path which soon ended in a tangle of brambles and gorse on the steep mountain side. As they still kept waving us onwards, we quested round, and after some very tough scrambles, over boulders and through gorse bushes, we found a definite path; we followed it for some time, and when it finally went straight ahead where we thought we ought to turn south, we came to the regretful conclusion that we had been stalking the wrong mountain. We now passed a fine waterfall, and from that knew we were in the country of Ramuncho, the hero of Pierre Loti's well-known novel of Basque life, which is called "The Pyrenees" in the English edition. After some time we reached the top of a grass pass, which gave us a fine view of the mountains all round. On the north-east horizon we spied one taller than the rest and veiled in mist, and that, we concluded, was Madame La Rhûne. We walked steadily upwards for mile after mile, and thought regretfully of our airy costumes in which we had taken the sun baths. We saw plenty of shaggy little ponies and mountain sheep, but no people. The wild flowers were lovely, and so was the view which now began to open up, down the valley of the Nivelle, right to St. Jean de Luz and the Atlantic Ocean.

Suddenly a long line of poles came into view, right up aloft far away to the north-east; we knew they were those of the mountain railway leading to the summit of La Rhûne. The little path ran steadily up and down till we approached the last steep climb, when it very inconsiderately collapsed among the coarse grass. The only indications of a track was one running down hill and eastwards, while we had to go up hill and northwards. At this awkward moment down came the mist. We soon lost all trace of our path, and walked by faith; upwards for the top of the mountain, and northwards for the railway line we had seen an hour or so before. We wandered on and on in the thick, cold mist, and after a time began to wonder where we were, and to think how idiotic we had been to lose touch with our one road to safety—the path by which we had come up. Suddenly, out of the mist ahead, came a (to us) perfectly beautiful sight—a long pole, which could only be one of those we had seen on the mountain railway so long before. All our troubles were now over. On the top we found a little inn with coffee and food, and soon a train panted up. We decided to train back part of the way. Before going down we climbed to the actual top, but saw nothing except the view indicator and below a sea of mist. We bathed at St. Jean de Luz, then walked most of the way back to Biarritz.

The following day we left Biarritz, and the next path we trod was the Chemin de Croix, leading round the Stations of the Cross at Lourdes. It is not a pathway of the Pyrenees, or even a natural path at all, but it is so unique and impressive that we were all glad we had seen it. The organisation, too, is marvellous. Lourdes stands very picturesquely among the foothills, but the town itself is spoilt by the many little tawdry shops catering for the pilgrims and tourists. From Lourdes we took the train to Pierrefitte, and thence the mountain train to Cauterets. The road from Pierrefitte to Cauterets is very picturesque, a typical mountain road, running up the narrow valley of the Gave de Pau and sharing the right of way, in close companionship with the river and railway. Cauterets is 2,980 feet high, and is a well-known health resort for all France. Many English, too, go there to drink and bathe in the waters, which are highly charged with sulphur, mostly in the form of sulphuretted hydrogen and of sodium sulphate. Cauterets is an ugly little town, wedged in a picturesque manner right into the heart of the surrounding mountains. Its houses are of neutral-coloured stone and its roofs of slate. It is built in such a narrow valley that it does not get any too much sunshine. However, the surroundings of Cauterets are magnificent.



LOURDES

Col de Riou

On a glorious morning a party of six of us set off by a broad, well-made path for the Col de Riou (6,725 feet). We had beautiful peeps of Cauterets and the surrounding mountains, and more and more of Vignemale's snowy head came into sight as we rose higher and higher. Wild raspberries, strawberries, and juniper berries with their characteristic "ginny" taste abounded. We passed the farm of Queen Hortense, where that good lady sheltered from a storm when crossing from St. Sauveur to Cauterets. Higher and higher we climbed till we came to the tree limit; then we saw, due east, a gap in the surrounding mountains. It was precisely at this point that the path ran into a little grass plateau, with its surrounding semi-circle of hills, and entirely ceased. It had not kept its pristine goodness or width, but had been an adequate, plainly-marked little path. It was a brilliant morning, with the pass clear before us, so it made little difference. With the optimism of youth, Mr. "H." thought he saw a path on the far side of the hills. By going direct for the Col we should pick it up. So up we went, direct. The mountain was slightly concave, like a pudding basin, in fact, of which the Col was the rim and our little plateau the bottom. The sun was hot and the time mid-day in early September, so we had a strenuous half-hour, panting up to that little gap with its background of brilliant blue sky. However, we arrived, the rearguard being mightily spurred on by the reports of those on the top of (1) a glorious view and (2) a mountain inn.

The view was certainly glorious. The valley of Cauterets was lying at our feet, with its curious wedge-shaped little town literally squeezed into the green hills, which were carved here and there into awful precipices by avalanches and rock falls. On the other side was the beautiful valley of St. Sauveur, and in the distance (with the help of the view indicator) we thought we could make out the valley of Gavarnie terminated by its

wonderful Cirque. We could see woods, streams and little green fields, with here and there a tiny village, for a clear two thousand feet down. All were of a surpassing greenness and freshness. This is one thing in which the Pyrenees excel the Alps—they are much more restful. We approached the inn, each with anticipation of a favourite drink. Our food we had brought with us. The inn was an ordinary little wooden affair, none too clean, as alas! is often the way with small Pyrenean inns, but as we picnicked outside that mattered little to us. We had our various drinks—coffee, lemonade, beer—the list was very limited; then Mr. "H." asked for the bill. To our astonishment, it was enormous—54 francs for six people.

After storm, peace; and we walked up a little hill to the south of the Col, to find another beautiful view. To the north we saw Mt. Viscos, and beyond, away in the distance, the broad plain of Toulouse, bathed in the afternoon sunshine. As we looked a little shower came on, just the merest ghost of a shower, but it was followed by one of the most perfect rainbows it has ever been my luck to see. We "sat out" the rainbow, then had to find a route down. Two of the party decided to go straight down the steep grass slope, and a lively time they had, as the grass was wet and very, very slippery. We others headed for what looked like a more graduated route, leading to a definite path on the little plateau from which we had ascended. Down we went and down came the rain, in earnest this time; our first path gave out in some coarse grass, and what had appeared to be a lower path turned out to be a tiny stream. Two of us were walking in alpagatas, the native Pyrenean shoes. They have light rope soles and canvas tops, the latter in different charming colours, mostly light blue, brown and yellow. Very good they are, but not on slippery grass. We found we simply could not keep our foothold. Over we rolled again and again, luckily with no worse casualties than one cut leg. We were stiffer that day than we had ever been before, and that night I had the worst fall I have ever had (climbing or otherwise) down the highly polished, spiral staircase of the Hotel de l'Univers.

Gavarnie and Its Cirque

The next morning we went to Gavarnie, a beautiful run down the Canterets valley to Pierrefitte, then up the Gavarnie valley, which is, if possible, more picturesque than that of Cauterets. These Pyrenean valleys are mostly lateral, running up from the road which runs at the foot of the mountains from east to west. They are provided by nature with a stream, and by man with a road or mule track, and often with a little mountain railway or steam tram line. But except on foot, or in those few places that are connected by the recently made Route des Pyrenees, one cannot pass from villages in one valley to those in another, hence the delight of these mountains for the foot traveller. The Route des Pyrenees was formerly a mule track, or rather a series of mule tracks. It is now a first-class road, and one of the finest feats of engineering in France. Though the presence of cars and charabancs takes away the fascination of the winding mountain road, they are not numerous enough to spoil it from a walker's point of view. We went through Luz, and on till we came to Gavarnie village, and in sight of the famous Cirque.

At first sight this is perhaps disappointing, but the disappointment is a delusion of the sight, as is the distance of the cliffs from the village. They are actually two and a half miles away, but they look about ten minutes' walk. The path gets smaller and rougher, goes over a log bridge and finally enters the boulder-strewn region at the base of the cliffs. This is intersected with many streams, all going full speed ahead on account of the recent rain and snow on the heights above. We crossed many on stepping stones in order to step on the snow, at the foot of the enormous cliffs which form the Cirque. This was the snout of a glacier which we had set our hearts on reaching. But the last stream ran deeply and swiftly over its stepping stones, and short of wading the icy waters there was no means of reaching the dirty snow mass which was our objective. We reluctantly turned back after admiring the beautiful waterfall on the left, said to be the highest in Europe. When right in, one sees the reason of the fascination and beauty of the Cirque. It is its stupendous size. One feels a speck under the towers of a Gothic cathedral, but not nearly so minute a speck as under the enormous limestone buttresses which surround one in a half-circle.

The Old Road and Barèges

Two evenings after, two said good-bye to the others, and sent their luggage ahead, with a sigh of relief, after wrestling with various station officials in their very inadequate French. Then, with all our belongings on our backs, and no fixed abode for the future, we set our faces to the open road, with a sense of blessed freedom, seldom achieved in these over-civilised times. The road itself (part of the Route des Pyrenees) was flat and very ordinary at first, till, suddenly, we came on an old mule track and a hog-backed bridge, part of the old road which had existed from time immemorial. That weed-grown path, and funny little old bridge, gave us more of a thrill than all the miles of the well-engineered road we had passed. We came out of our dream of the past to find a funny little motor, driven by a fine-looking Pyrenean farmer, bearing down on us. He signalled: did we want a lift? We did, and romance vanished as we climbed in and packed ourselves behind him, in a medley of spare petrol tins, a couple of rabbits and half a sack of potatoes. Two lady Pyreneans, in a back seat, completed the load. Gaily we sped (at about ten miles an hour) into Barèges, but it was nearly dark when we arrived. We saw that it was a one-streeted village, with

St. Jean de Luz

a big modern-looking sanatorium for those taking the waters. Of its hotels and accommodation we knew nothing, except Baedeker's ten-year-old information that there were three hotels all of the same quality. We chose "Les Teinturiers," attracted by the strong local colour in the name. We got local colour truly, for the hotel, which was really a large inn, was centuries old. Our bedroom was enormous, wood-panelled from floor to ceiling and very quaint. The dinner was full of local colour, in the shape of wine supplied gratis by the hotel, but so acid that I could not drink it, and oil so strong in flavour (to our palates) that it spoilt the salad.

Pic du Midi de Bigorre

However, the next morning was ideal for this our biggest venture—the ascent of the Pic de Bigorre. We took the famous Tourmalet Pass road, one of the most picturesque bits of the Route des Pyrenees. The road ran beside the river, sweeping up in magnificent curves to a height of 6,935 feet, but the grading was so good that nowhere was it very steep. We had to leave the road for a footpath on the left, which we had a bother to find. Once on the right route we settled down to enjoy the beauty of the morning and the scene. On the other side of the wide valley, the Tourmalet road ran like a broad white ribbon. As the day advanced cars appeared, looking quite small in the distance, but the air was so still, and the valley so shut in, that the noise they made going up on their low gear came quite plainly to us. There were several little tracks, all running in the direction we had to go. While we were hesitating we saw a party of French walkers coming down. "Pic du Midi," we said, pointing to the north. But they pointed the opposite way. Finally one told us

the way in quaint but understandable English. So perforce we turned and walked a little distance, always looking for a pass between the jagged peaks which barred our way. We tried one; it was no use, there were great precipices and no way over them. Then we tried a deep grassy cleft with a little col at the top. It was now past noon, when we had hoped to reach the refuge inn at the foot of the final ascent. The last bit of grass slope was terrifically steep, and we had lost every vestige of a path. But we were buoyed up by the hope that at the top we should see our peak. Up we scrambled and panted, and at last the top was ours.

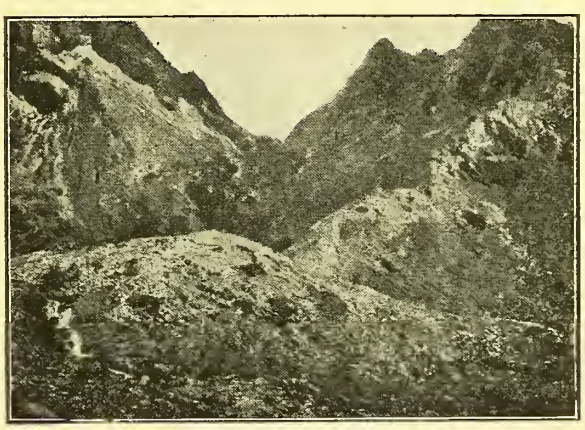
We looked on a scene of remote and wild beauty, but there was not a sign of our peak, which we should recognise by the observatory at the top. Mountains were on all sides, surrounding a little plain several hundred feet lower, with a dark green lake at the far end, all very still and beautiful in the brilliant afternoon sun. There was no trace of a path, and all we knew was that our peak lay somewhere due north. Between us and the opposite mountain the little plain narrowed to a deep valley with a rock-strewn bottom. Well up on the opposite side of the mountain ran a queer-looking line which intrigued us at once, as it went in exactly the direction we wished to go. It might be a ridge on the mountain side, but if so, it ran extraordinarily straight and true; on the other hand, it might be a path, but if so, it was obviously a broad and well-made one, and we knew no map or guide book mentioned such. As we debated, we saw three little figures walking briskly along the line. That settled it, and down we went. The way was steep and the bottom a mass of rocks, but these difficulties were nothing to that of the steepness of the opposite side, which led to the promised land. At last we hauled ourselves up and set foot on the ledge. The beautiful, mysterious path really existed, other people were coming and going—in fact, it was a regular Piccadilly, after our mountain solitudes. So we tramped gaily along. Suddenly, round a corner, we came on the reward of our faith. There was our mountain soaring up into the blue, with now and then a wisp of cloud round the dome of the observatory and on the pass, quite near, the little hostellerie. We fed outside, and hastily, for we were nearly two hours late. Then up the zigzag we went, for one and a-half hours. It was a constant and steepish climb, but the zigzags were well graded and the view increasingly beautiful. All the supplies for the observatory were taken that way, and we met a string of twenty mules, each with two barrels on its back. A short distance from the top we stepped on to the Col du Laquet (8,530 feet), and saw below us a strange sight. A sea of clouds, soft, snowy and impenetrable, covered the northern horizon.

A Wonderful View

We found nearly the whole of the mountain top taken up by the observatory and its buildings; there was a short space to the north, ending in a terrible drop and precipices so deep that they vanished in the mist. The view to the south was good All the might of the Pyrenees was piled up in jagged peaks and passes, culminating in Mt. Perdu, the king of this part of the range. To the east was a little patch of sunlit country, with towns and villages, and we thought we could make out Bigorre. The way down was delightful, but very wild. It was quiet and lonely under the shadow of the huge mountains. Once we heard a harsh screech; shortly after an enormous bird flew from a rock among the jagged Tourmalet precipices. We recognised it as an eagle, a golden eagle, we thought; it seemed huge in comparison with the few and tiny birds one usually sees in France. After an hour or so, during which we met no one, our path disappeared into a sea of mist. The mist was thin and opalescent, and the light effects very beautiful. At last we met a party ascending, evidently to spend the night and see the sunrise. Soon we saw on the right, and far below us, a tiny railway station, but no lines going to or from it. Hoping for the best we slid down the steep hillside, only to find the station abandoned. Now we wondered if the same thing would happen at Gripp. We trudged on, once again on the Route des Pyrenees, and at long last we saw a large village in the distance, and presently, on rounding a corner, there was a steam car. As it seemed on the point of starting, we took to our heels and ran our weary best down that last bit of road. The car was crowded, but the good-natured people pointed us out to the conductor. At last we were safely en route for Bigorre, but our joy was damped by having to stand for nearly an hour. In the growing dusk we reached Bigorre, and found a treasure of a hotel, which gave us an excellent dinner with the liqueurs of the Pyrenees, Izarra and Chateleine. We made up our minds to sleep from 9 p.m. till 9 a.m.—and did, in spite of an open-air concert in the adjoining square, ending in a burst of fireworks.

Bagneres de Bigorre and Luchon

The next day we explored Bigorre, and a more charming little hill town it would be impossible to find. It was market day, and the town was crowded with country people. There is a vigorous local life in Bigorre, very different from the artificial bustle of a tourist resort. Our exit from Bigorre, in the luxurious car of the Route des Pyrenees, was very different from our entrance. Chickens, dogs and children fled before us as we sped along. The drivers are very skilful and they need to be, for the streets are so narrow in some places that the big cars seemed to fill them. Up and down the pleasant



The "Gap," Port de Venusque

fertile valleys we sped, kilometre stones slipping by in rapid succession; but soon we found that we should see no glorious panorama (including our old friend the Pic du Midi) from the Col d'Aspin, for the mist came down, and before we reached the top we could see nothing, and were so cold that we envied the cyclists who came panting up. Soon we were looking down on Arreau.

Luchon is a town of grey and white houses with slate roofs, buried in the very heart of the Pyrenees, where three river valleys meet. The town (really a very charming one) was not looking its best on that grey September evening—in fact, the "Queen of the Pyrenees" had a decidedly *passée* air, and we wondered if we had been wise in coming yet further into the mountains, when we had certainly been late for Couterets. Our hotel did not help to cheer us up, although it was a first-class one with a charming manageress and fully staffed from gorgeous head waiter (immaculate and efficient to the *n*th degree) to the "cute" little "Buttons" in the hall. The depressing feature was the company. The hotel was nearly full of English, French and some Americans, but where they came from we could not imagine. They were eminently respectable, but of a dullness deadly to behold. After dinner each little family unit retired (presumably) to its burrow, and was seen no more for the rest of the evening. The women looked as if they had emerged from a fashion plate of twenty years ago; they had waists, dresses to their ankles, and hats skewered to the top of their heads. The men were not so bad. The next morning we found Luchon in sunshine, and a very charming little town it is. Apart from its glorious surroundings of snow-capped mountains and glorious river

valleys, its fascination (to us) lay in its proximity to Spain. "Espagne—8 kilometres" is the legend on the signpost leading to the Port de Portillion. This fired our ambition to walk into Spain.

Port de Venasque and Spain

At eight in the morning we set out for the Port de Venasque (7,930 feet), one of the most interesting and ancient of the passes between France and Spain. Hannibal and his army are said to have crossed that way. Gaily we trudged along, much cheered by the glimpses of snow-clad mountains ahead; these were indeed the giants of the Pyrences, and soon we hoped to be among them. But, as time went on, mists began to form round the mountain tops, and we feared that this, our last climb, would end in a "blot out" like that of the Rhûne. The eight-mile walk was very picturesque; the road was rough and broken in places and not much used by motors; it ran beside a charming river and through deep woods. An inn came in sight at last, charmingly tucked away among the green hills. A bonny little boy was playing on the green, with two beautiful dogs of a St. Bernard type, fairly common in the Pyrenees. We went into the kitchen, the one and only room downstairs for all purposes. No one took the least notice of us, so we had a good look round. The scene would have made a good picture for a Dutch artist. In the deep shadow at the back of the room was an old, old woman bending over the hearth stirring something in a pot. Peasants and tourists were sitting at a long table on one side waiting for table d'hôte lunch, otherwise the contents of the pot. A fine-looking young peasant woman was doing some household work in the background, and the little boy, dogs, cats and stray chickens wandered in and out. The whole was enveloped in a thick atmosphere of wood smoke.

We turned our attention to the mountains. There was no mistaking the direction, it was straight ahead; but so well balanced by tall mountains on either side was the part we had to climb, that it looked comparatively low, as if it could be negotiated in an hour or so. The top of the pass looked as if it were just opposite—a cleft between two high mountain tops. When we began the climb we found our mistake. The higher we got, the further off seemed our goal. Sometimes the clouds enveloped it. Sometimes a blue sky and shining sun appeared as a background to the black pine trees and snowy peaks beyond. Up went the path zigzag, always well made and evidently well used. For we were not alone on the mountain. One or two parties of peasants, with their mules and donkeys, overtook us, and we met even more coming down from Spain. They were a merry, talkative crowd, and babbled something to us, which in the end we made out to be that there had been a snowstorm on the top. It seemed unbelievable, but sure enough, as we got higher, we saw the jagged summits all powdered with fresh snow. The scene got wilder and wilder; great chasms and holes appeared, in one of which, it is said, three tinkers were frozen to death in the snow. The path wound in and out of huge blocks of stone, and presently we came to the snow. Luckily it was not deep. We passed five lakes, black and sinister-looking in the deep shadow of the mountains. All the merry peasants had disappeared, the sun went in; we began to look anxiously for our gap. Then we realised that we had made a mistake. The gap crowned a veritable precipice, unapproachable except with guides and a rope. Where, then, should we cross? Luckily there was not a shadow of doubt about the path; even through the snow we could trace it faintly and the marks of little feet. Presently it veered to the left. Not a sign of a pass was to be seen. One great peak followed another or was joined to it by terrific precipices. Then, suddenly, when we were absolutely bewildered, the path dived round one peak, so closely superimposed on another, that until one was actually on it the gap could not be seen. Then we found the most fascinating pass I have ever crossed. Just a space between two enormous mountains, so narrow that we wondered how a loaded donkey could possibly get through, and so short that we stepped in one stride from France to Spain, and from a howling wind to a serenity of blue sky, purple distances and the glorious panorama of the Maladetta "massif" spread out before us. It was indeed a great moment. At our feet were green pastures, instead of the bare rocks and black lakes we had just left. There was a derelict house, no doubt the remains of the inn mentioned by Baedeker. We had a glorious view down the beautiful valley of Venasque. It dropped steeply down the mountain side, ran between two wooded heights, and so into the purple distance. As we were looking at the lovely scene a member of the party said, "Just look behind!" Over the tops of the mountains we had left behind us a veritable blizzard was blowing. The mist came swirling over in great gusts, as if boiling up from an ice wizard's cauldron; in it were snowflakes, blown hither and thither. One look was enough. Without even a parting glance at the delectable land to the south, we hurried back and through our gap. Then we met the storm fiends, but the struggle was not long, and our little path led us safely back. We took the road once more to Luchon, quite happy, although homeless and wet, as it rained most of the way.

The Port de Portillion

Baedecker was not enthusiastic about the Portillion pass, but, with his usual generosity, gave us, in footnotes, scraps of information about the Spanish towns and villages near the frontier. So we set out to spend our last day in Spain. The pass was a complete change from that of the day before. It began with a decent road, which degenerated into a bridle path, and often was nothing more than the bed of a stream, with running water, stones and boulders complete; but the beauty of the pass was wonderful. Great trees and ferns grew beside the path, with many lovely flowers, including one with brilliant yellow hanging blossoms that was a complete stranger to us. He looked like a cross between a Soloman's seal and an orchid. Livid fungi, mosses and liverwort grew in patches. On we went for hours, with the sun blazing overhead and making flickering lights on our path, till suddenly we felt that we were walking downhill. It was quite true, we had crossed the top of the pass and gone into Spain without knowing it. About a mile further down we came to the Spanish custom house; two soldiers who were standing about gave us a look and then evidently did not consider we were worth troubling about, as they went on with their preparations for dinner.

Mile after mile stretched before us the valley of the Upper Garonne. The mighty river we had seen at Bordeaux was now a mere babe babbling over stones and running between the vivid green of the hills. Beside the river ran the road, and in the background were the high peaks, touched here and there with snow. Below lay the little village of Bosost; further on we saw the long, white road leading in one direction into France, and yet further into Spain on the other. The path was made of huge, flat slabs of stone and bordered with blackberry bushes. Bosost is a picturesque little place built of greyish white stone; everyone seemed asleep, and the houses were shuttered to keep out the sun. The people, men and women, all seemed to wear black; they were not so gay and chatty as the French, and their language seemed a little harsh, yet even in the peasant speech it had a beauty and sonority of its own. At last we took the road. We had dreaded that eight miles of hot, dusty road to the French frontier. From past experiences we thought it would be inches deep in dust and literally "running" with motors. It was quite different. Cars were few, as were the quaint old ox wagons. It was bordered with acacias and Lombardy poplars, a refreshing wind blew, the flowers in the wayside pastures were very charming, and always we had the young Garonne for company. We soon reached the picturesque Pont du Roi, on the far side of which are two stones, bearing the names "France—Espagne." The quaint little steam train was waiting on the other side of the bridge, and along with a gay company of country folk we steamed into St. Beat and so back to Luchon. The next day we set our faces due north for England. We vowed that lack of time, money, or Spanish should not prevent us, in the future, from following the footpath way yet further into the delectable land of Spain.

Trade Notes

FAIRE BROTHERS & Co., LTD., Rutland Street, Leicester, who advertise powder puffs in this issue, invite inquiries from wholesale distributors and shippers of these articles.

VICTOR RUBBER SPONGES are made by the Ioco Rubber & Waterproofing Co., Ltd., Netherton Works, Anniesland, Glasgow. Retailers may obtain supplies through the usual wholesale channels.

A NEW SHAMPOO.—C. Nestlé & Co., Ltd., 48 South Molton Street, London, W.1, elsewhere in this issue give particulars of Nestlé Radion shampoo, in connection with which there is an introductory bonus.

CLOSED FOR STOCKTAKING.—Burroughs Wellcome & Co., Snow Hill Buildings, London, E.C.1, inform us that their warehouses will be closed for stocktaking on August 31, on which date only emergency orders can be executed.

FLASHLIGHTS.—Pifco, Ltd., 85 Pifco House, High Street, Manchester, call attention to the profitable business which chemists can transact during the winter months by the sale of electric torches and batteries. A complete catalogue of these articles will be sent post free on application.

HOWARDS' ASPIRIN TABLETS.—Howards & Sons, Ltd., Ilford, are offering chemists a special bonus on aspirin tablets purchased during September and October. The tablets are on the P.A.T.A., and window-show material is supplied free of charge. Fuller details of the offer will be found in the advertisement pages.

COATES & COOPER, 41 Great Tower Street, London, E.C.3, who are the agents in the United Kingdom for the products of The Battle Creek Food Co., Battle Creek, United States of America, have for distribution an interesting booklet on "Diet Helps for Doctors," and will be pleased to send a copy to *C. & D.* subscribers on receipt of a request.

POND'S NEW LINES.—Pond's Extract Co., 103 St. John Street, London, E.C.3, are placing on the market two new preparations, namely, Skin Freshener and Cleansing Tissues. The former is a fragrant stimulant lotion, and the latter, which are soft to the touch and highly absorbent, are intended for use in place of towels when removing cold cream from the skin.

WEIGHING MACHINES.—Shefras Novelty Co., Fetter House, 54-55 Fetter Lane, London, E.C.4, illustrate in this issue and give the measurements of some of the personal weighing machines they can supply either for cash or on the hire-purchase system. If either of the adult weighing machines is acquired on the former terms, the baby scale is given free. With all the machines there is a twelve months' repair service.

BISHOP'S NATURAL FRUIT SALINE.—Alfred Bishop, Ltd., manufacturing chemists, 48 Spelman Street, London, E.1, draw attention in the advertisement pages of this issue to the attractive pack of their natural fruit saline and to the fact that it contains neither sugar nor saccharin, and has good keeping properties under varying climatic conditions. "Alfred Bishop" brand aspirin tablets and some pharmaceutical chemicals which the company supply are mentioned in the announcement. A complete list of their products will be sent on request.

Trade-mark Applications

The figures in parentheses refer to the classes in which the marks are grouped. A list of classes and particulars as to registration are given in "The Chemist and Druggist Diary," 1928, p. 329.

(From "The Trade-marks Journal," August 8, 1928.)

"SICCOGANTH"; for all goods (1). By F. Sichel Kommandit Gesellschaft, 26 Südfeldstrasse, Hannover-Limmer, Germany. 489,143.

"KAMBEROL"; for veterinary chemicals (2) and for insect-repelling preparations for personal use (3). By R. C. Treatt & Co., Ltd., 11 Hart Street, London, E.C.3. 491,370/371. (Associated.)

"ZAKIL"; for insecticides (2). By Horticultural Chemicals, Ltd., 72 James Street, Louth, Lincolnshire. 492,066.

"STABAVITE"; for paper impregnated with disinfectant (2) By Stabavite Syndicate, Ltd., 41 Charing Cross Road, London, W.C.2. 492,058. (Associated.)

"OVACOIDS": for a medicated preparation produced from the hormone of the ovaries (3). By Reed & Carnrick, 155 Van Wagenen Avenue, Jersey City, U.S.A. 477,815.

"PURGALETTE"; for medicinal chemicals (3). By May & Baker, Ltd., Church Road, Battersea, S.W.11. 489,473.

"ORALAX"; for medicinal liquid paraffin (3). By The Wallasey Chemists, Ltd., 128 Rake Lane, Wallasey, Cheshire. 491,663.

Pear-shaped design incorporating lady's head, with floral background; for medicinal chemicals (3) and for perfumery, etc. (48). By Warren Pharmacel Co., Ltd., 5 New Bridge Street, London, E.C.4. 491,963/964. (Associated.)

"HERAC"; for preparations for the treatment of eczema (3). By C. W. Limonzin, 3 Queen Street, Southwold, Suffolk. 492,513.

"RAYVIC"; for crêpe bandages and binders (11). By Grout & Co., Ltd., St. Nicholas Road, Great Yarmouth. 492,557. (Associated.)

"COMPRI-VENA"; for surgical appliances (11). By Compri-Vena, Ltd., 62 Oxford Street, London, W.1. 492,971.

"DIASTOL"; for essence of malted barley (42). By The British Malt Products Co., Ltd., 1 Market Street, Bermondsey, London, S.E.1. 484,033. (Associated.)

"VITADS" and "VITAD"; for cod-liver oil food substances (42). By Oppenheimer, Son & Co., Ltd., 179 Queen Victoria Street, London, E.C.4. 491,367/369. (Associated.)

"KOMOL"; for liquid hair dyes (48). By O. Sutterlin, 34 bis Rue Vignon, Paris. 475,256.

"OKKULTA" on square-shaped device ("Okkulta" disclaimed); for perfumery, etc. (48). By Okkulta G.m.b.H., 58-60 Zossenerstrasse, Berlin, S.W.61. 490,496.

"ACUSHLA"; for perfumery, etc. (48). By Hayes, Conyngham & Robinson, Ltd., 12 Grafton Street, Dublin. 490,636.

"ESMEX" on oblong shape; for toilet cream (48). By Gladys R. Perry, 111 Bristol Road, Birmingham. 491,300.

Representation of "Club," "Spade," "Diamond" and "Heart" in horizontal line; for perfumery, etc. (48). By The Dubarry Perfumery Co., Ltd., Hove Park Villas, Hove. 492,604.

"VACQUENOL"; for all goods (48). By Maison Whitehead, Ltd., 9 Cannon Passage, Cannon Street, Birmingham. 492,722.

"PEERLESS" with design of sun on horizon ("Peerless" disclaimed); for hair brushes, tooth brushes and combs (50). By Strachan Trading Co., Ltd., 37 Gutter Lane, London, E.C.2. 489,856.

(From "The Trade-marks Journal," August 15, 1928.)

"GLOSSINOL"; for chemical substances (1). By British By-Products, Ltd., Abbey House, Victoria Street, London, S.W.1. 491,880.

Design incorporating W-shaped device and words "Trade Mark" in modified square with "Sharples Solvents" at top and bottom respectively (Sharples disclaimed); for solvents (1). By The Sharples Solvents Corporation, South-West Corner of 23rd and Westmoreland Streets, Pennsylvania, U.S.A. 491,890.

"DURFERRIT"; for a compound of inorganic salts for treating steel (1). By Bush, Beach & Gent, Ltd., 24 Monument Street, London, E.C.3. 492,455.

"GUINBRAND"; for veterinary preparations (2). By Eric Siegfried Keel, 100 Wood Street, London, E.C.2. 486,979.

"DOGITS"; for veterinary preparations (2). By William Murray Burdon, Clarence Lodge, Douglas Gardens, Uddingston, Lanarkshire. 482,953.

"ATENE"; for all goods (2). By Charles Page & Co., Ltd., 37 King William Street, London, E.C.4. 493,179.

"SYROSAL BRAND"; for medicinal chemicals (3). By H. R. Napp, Ltd., 3 & 4 Clement's Inn, Kingsway, London, W.C.2. 490,182.

"VASOPRESSIN"; for medicinal chemicals (3). By Parke, Davis & Co., 50 Beak Street, Regent Street, London, W.1. 490,452.

"EXVITIS"; for medicinal chemicals (3). By Burgoyne, Burbidges & Co., Ltd., High Street South, East Ham, London, E.6. 490,594.

"EDSOR"; for medicinal chemicals (3). By Marcus H. Stone, 775 London Road, Glasgow, S.E. 493,009.

"VITADS"; for medicinal products (3). By Oppenheimer, Son & Co., Ltd., 179 Queen Victoria Street, London, E.C.4. 491,366. (Associated.)

"LEGULAX"; for medicinal chemicals (3). By Allen & Hanburys, Ltd., 37 Plough Court, Lombard Street, London, E.C.3. 492,097.

"VI-GESTO"; for medicinal chemicals (3). By J. Bury, Ltd., 3 St. Ann Street, Manchester. 493,304.

Births

Notices for insertion in this column must be properly authenticated.

MILLAR.—At 472 Paisley Road, Glasgow, on August 19, the wife of T. W. Millar, chemist and druggist, of a son.

SCOTT.—On August 16, Isabel, the wife of Ernest Scott, chemist and druggist, 94 Eardley Road, Streatham, London, S.W., of a son.

SIDEBOTHAM.—At "Ribblesdale," Rosslyn Crescent, Wembley, on August 20, the wife of H. Sidebotham, M.P.S., of a son.

Marriages

CLARK—MESSER.—At the Parish Church, Harpenden, on August 18, Albert Clark, M.P.S., son of Mr. A. G. Clark, Keighley, to Elsie Kathleen, daughter of Mr. H. T. Messer, Harpenden.

NIVEN—ADAMS.—On August 11, H. A. R. Niven, Hamilton, to Winifred Edith, younger daughter of Mr. A. E. Adams, chemist and druggist, Whiteway, Stroud.

PALMER—CRISPE.—At the Primitive Methodist Church, Thetford, on August 15, Cyril F. Palmer, chemist and druggist, eldest son of Mr. F. E. Palmer, late of Norwich, to Ruby, only daughter of Mr. G. A. Crispe, of the Temperance Hotel, Thetford.

Silver Wedding

IRONMONGER—HUGHES.—At St. John's Church, Holland Park, London, W., on August 10, 1903. Herbert Lovell Ironmonger, chemist and druggist, Chiswick, W.4, to Janet Hughes, Oxford.

Deaths

BREND.—At the Cardiff Royal Infirmary, recently, Mr. Kenneth Benjamin Brend, chemist and druggist. Mr. Brend, who qualified in 1874, carried on business for a long period at Swansea, and subsequently at Cardiff. He was an excellent swimmer and a lover of football. Mr. Brend is survived by a widow, a son and two daughters.

JONES.—In London, recently, the Rev. Edwin Pryce Jones, chemist and druggist. Mr. Jones qualified as a chemist and druggist in 1887.

MILLAR.—At his residence, Castle Terrace, Inverbervie, on August 20, Mr. Alexander Hastie Millar, J.P., chemist and druggist. Mr. Millar, who qualified in 1901, carried on business for several years in King Street, Bervie. He was chairman of the Kincardineshire Pharmaceutical Committee, and a past-president of the Inverbervie Bowling Club.

VAUGHAN MORGAN.—At Folkestone, on August 18, Emily Ann, widow of the late Mr. Edward Vaughan Morgan (of Morgan Brothers, founders and proprietors of THE CHEMIST AND DRUGGIST and "The Ironmonger"), aged eighty.

SMITH.—At Ashton-on-Mersey, on August 2, Mr. Allen Smith, chemist and druggist, aged eighty-six.

Wills

MR. JOHN JAMES HEIGHWAY, of Norman Road, Heaton Moor, Lancs, representative of G. F. Sutton, Sons & Co., left £15,283 gross, the net personalty being £13,239.

MR. JOHN HENRY BLYTON, of Swinderby, 11 Park Lane, Kersal, Manchester, proprietor of Blyton, Ashley & Co., manufacturing chemists, Manchester, who died June 9 last, son of the late John Blyton, of Manchester, left estate of the gross value of £5,985 16s. 2d., with net personalty £4,235 1s. 8d.

MR. HENRY FRED BOURNE, of Boston Hall, The Leas, Westcliff-on-Sea, Essex, formerly carrying on business as a chemist and druggist at Strand, Torquay, died on July 1, leaving £13,420 6s. 6d., with net personalty £13,263 16s. 9d. The will is proved by Mrs. Bourne, the widow, of Boston Hall, and Frank Williams, of Winkfield, Preston, Paignton, Devon. He gives £100 each to Margaret Christian Harding and Jessica Violet Williams, and the residue to his wife.

New Books

Driver, J. E., and Trease, G. E.—*The Chemistry of Crude Drugs.* 8¾ in. by 5½ in. Pp. 159 + vii. 10s. 6d. Longmans, Green & Co., Ltd., 39 Paternoster Row, London, E.C.4. [The authors are teachers at University College, Nottingham. The book is divided into fifteen chapters, each dealing with a separate group of constituents, and throughout there are tables affording rapid comparisons of the properties of products such as alkaloids, resins, etc. Recent researches have been embodied in the text, the modern views on vitamins and hormones, for example, receiving attention.]

Sutherland, M. M. J.—*The Metal-Ammines.* 9 in. by 6 in. Pp. xxvi + 260. 18s. Charles Griffin & Co., Ltd, 42 Drury Lane, London, W.C.2. [Volume 10 of "A Text-Book of Inorganic Chemistry," edited by Dr. J. Newton Friend. In this volume the main points relating to the large class of substances of complex type formed by the addition of ammonia molecules or molecules of organic ammines are dealt with. The ammines are treated in the order in which the metals occur in the periodic system, and the volume is thus kept in line with others of the series. The system of nomenclature suggested by Werner has been adopted for metal ammines, and the old names derived from the colours of the compounds have been abandoned. The word ammine (with a double "m") has been adopted to show the relationship with ammonia and to distinguish from the ammonium salts and the substituted ammonia compounds, the amines. For easy reference a table of dates of issue of a number of scientific journals from 1800 to 1919 is given. Chapter II deals with valency and Chapter III with the general characteristics of the metal-ammines. A name-index and subject-index are appended.]

Smith, P.—*Successful Advertising.* 9¾ in. by 7¼ in. Pp. 336. 21s. Smith's Advertising Agency, Ltd., 100 Fleet Street, London, E.C.4. [A handsomely produced volume prepared by Mr. Philip Smith to mark the fiftieth anniversary of the establishment of the well-known advertising agency founded by his father. It contains a great deal of useful information and some sound advice on the technique of various forms of publicity. Naturally, the author's view is somewhat tinctured with the bias of the professional advertising agent: therefore, such platitudes as these occur in a fifteen-line reference headed "Trade Papers":—"Some of them, like 'The Grocer' and THE CHEMIST AND DRUGGIST, carry considerable weight, some are almost worthless." The subject is again touched upon, thus:—"It is only very recently that trade paper advertisements have been other than bald announcements of names and prices. A few enlightened manufacturers began to realise that a tradesman has human interests similar to those to whom the ordinary Press advertising is directed; that he is subject to the same psychological influences." In spite of its limitations, however, there is much in this attractive volume to interest and instruct.]

Information Department

INFORMATION WANTED

Postal or telephone information with respect to makers or first-hand suppliers of the undermentioned articles will be appreciated

A/178. Blankettol (or Blankol) benzoyl peroxide
M/228. Blue Camel brand preparations
N/208. Bravo hygienic toilet paper
R/228. Caterpillar enema syringes
M/188. Dahlgren's Lax
S/188. Nita depilatory cream
H/228. Odontol
H/228. Palmknit washing glove
A/238. Peptonal tablets (Remy)
C/218. Tissutone (Tonal Labs.)
B/98. Vampire massage rollers

Observations and Reflections

By Xrayser III

Two Classes of Pharmacists

may be, as you seem convinced (*C. & D.*, August 18, p. 232), a conception of the Pharmaceutical Council, and one must admit that everything seems to point in that direction. There is no getting away from the fact that the continued efforts made to weld us all into one class have succeeded—up to the point of making us all, to a greater or less degree, sellers of other men's goods. What our predecessors aimed at was the hammering of chemists and druggists into a more or less homogeneous mass from which should emerge only well-trained and highly-skilled compounders and dispensers of medicines prescribed extemporaneously by medical practitioners. But what has resulted is the registration on equal terms of more than twenty thousand of us, all duly qualified to sell and dispense poisons, and having to explore various avenues in the search for supplementary means of making a livelihood. There is not enough extemporaneous prescribing to go round, and it would not provide an adequate return on existing terms if there were enough to keep all of us fully occupied.

The Original Intention

of those who first organised British pharmacy was that none but pharmaceutical chemists should be entitled to conduct a business, with a lower grade of practitioners legally qualified to act as assistants. Parliament, however, decided that the lower grade was high enough to qualify a man to conduct the business, and the pharmaceutical chemist diploma has since carried with it only one small additional business privilege. We have really remained one class during the past sixty years, in spite of the existence in that class of such extreme modifications that selected instances seem poles asunder. In practically all cases, however, medicines are dispensed for the public, poisons are sold, and—perhaps the greatest similarity of all—proprietary medicines and other packed goods are supplied at the same fixed prices.

In Both Cases,

that of pharmaceutical chemists and that of chemists and druggists, the same training has up to now been required so far as the compounding and dispensing of medicines were concerned, and it has always been possible for a chemist and druggist to proceed to the higher qualification without going back on his tracks. I think this was as it should be, but the trend of events seems to be in a contrary direction. The only apparent reason for reducing by half the time spent by a would-be pharmaceutical chemist in compounding and dispensing medicines is that it is intended there shall be two classes of pharmacists in future, one with extended shop experience and expected to carry on the retail business, the other with less, if any, shop experience and expected to practise what I may perhaps be forgiven for calling the higher pharmacy. But the latter may, at any time they choose, change over to ordinary shop work; and we shall in such cases see persons with a higher qualification undertaking work for which they are less fitted than those with a lower qualification. Two things I take serious objection to—first, that future pharmaceutical chemists are to be permitted to qualify with a limited training in the compounding and dispensing of medicines; and, secondly, that chemists and druggists are not to be permitted to go forward in the old-fashioned way to become pharmaceutical chemists, though better trained as practical pharmacists than those who proceed to qualification by a collateral route.

The Limited Company Idea

in our business has probably decided the point, once for all, whether that business is a trade or a profession. So far as the bulk of ordinary shop work is concerned, it is trade pure and simple, and it ought to be our aim to avoid including any such work under the heading "pharmacy." Unfortunately, most of the business of the average chemist and druggist is not pharmacy, and it does not require a pharmacist to conduct it. The managing director of one limited company writes of this work as "amateurish private trading." His letter (*C. & D.*, August 18, p. 243) is worth reading, because of its blunt admissions. Certainly, whether the trading in a chemist's shop be amateurish or not, it cannot be pharmacy, as the practice of pharmacy is necessarily a professional function.

The Reasons

why the Board of Trade has decided that tea is not a "foodstuff" would no doubt be interesting, and it would also be interesting if it would say what the article is in its opinion. Strictly, it cannot be said to contribute to the nourishment of the body, but indirectly it does so in two ways—(*a*) by acting as a most agreeable adjunct to the meals of most people who procure it, and (*b*) by supplying a quantity of nutritious matter in the way of its usual accompaniments of milk and sugar. Considered in this point of view, it may be said that tea is an alimentary adjunct. There has always been something of a difficulty in "placing" tea. In its earliest days in England, when it was introduced as something new in the way of beverages, the notion that it should be made to fall into line as having a food value was entertained by some people. There was, however, very much difference of opinion as to its properties as a beverage suitable for general use; not a few looked upon it as being serviceable as a medicine. Consequently, during the first century of its employment in this country, conflicting views are to be found in all classes of literature in which it has been mentioned. There were some instances in which it was regarded as being intended for consumption by mastication. One of these Southey has put on record, for he tells how that the great-grandmother of one of his friends was one of a party to partake of the first lot of tea that was brought to Penrith. He says: "They boiled it in a kettle, and ate the leaves with butter and salt, wondering wherein the attraction lay." The attempt to ingest it in the form of sandwiches has been often referred to; but I think the case of the lady in the West Country is not so well known. When her daughter brought home a supply of the new dainty from Bath, she boiled it in water and thought it best taken with rum and salt.

Excessive Caution

marks most of the observations on tea made by the writers of the eighteenth century. Phillips ("New World of Words"), at the beginning of the century, writes of it as a "liquor made of the leaves of a shrub"; but Edward Cocker (1715) is a little bolder, and calls it "a drink in much use." Forty years later Dr. Johnson, who was apparently not sure of his ground, follows the lead given him by Bailey, and confines his definition to the plant itself from which an infusion is made and "has lately been much drunk in Europe." The new stimulant caught the taste of the fashionable world of that period, as is shown by the many references to it in the so-called polite literature of the day. The cookery books had very little to say about it, and medical works concerned themselves with the more or less doubtful virtues which it was supposed to possess. Perhaps the first notice of it in a work for domestic use is found in "The Closet of Sir Kenelm Digby Knight Opened" (1669), in which is given a recipe, said to have been brought from China, for taking it with eggs. From that date to the beginning of the nineteenth century the cooks practically ignored it. Even the erudite Dr. Kitchener (1822) contents himself with quotations of which the principal one is taken from Digby. On the other hand, hosts of folk had found it to be a pleasant stimulant; accordingly the purveyors of public pleasures were not slow to adopt it, and, as a consequence, the numerous places of amusement gave the new liquor, infusion, tincture or whatever the fancy called the drink, a prominent place on their lists of attractions. Tea gardens became a marked feature of city life. Lemery was not far from the mark when he said that tea was used for pleasure. It has always worn an air of dissipation, which is perhaps somewhat intensified now that we know it is not a "foodstuff."

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Editorial Articles

Voltaire as a Patient

THE attribution to Voltaire of "a physician pours drugs of which he knows little into a body of which he knows less" is not very firmly established. Search through the fifty-four-volume edition of his works published by Garnier might conceivably yield a sentence translatable in some such words as those we have just given; but apparently they rest on no better authority than that of Sir Arthur Helps, an author who was born in 1813, thirty-five years after Voltaire's death. One or two of the epigrams in his letters, it is true, disparage medicine and the medical profession. "Let her renounce gluttony and medicine. I have already entirely abandoned the latter, and am thus well." Again: "I only lack physicians to finish me off; but, thank God, I only see them for the pleasure of conversation, when they have wit; precisely as I see theologians, without believing in either one or the other." A French physician, Dr. Roger, wrote, some years ago, a treatise on Voltaire's health, based on numerous extracts from the letters. The main conclusion that the doctor drew was that Voltaire was hypochondriac and arthritic; but the interest of the letters for pharmacists lies chiefly in reference to the medicines of the day, and we have made a free translation of most of the passages relevant from this point of view. When he was twenty-eight Voltaire's "délabrée" (shattered) health began to occupy a more or less regular place in his correspondence. In the following year, 1723, he had small-pox; writing during convalescence, he complains that, in place of the "ordinary" cordials, he has been given eight emetic draughts and 200 "pintes" of lemonade. (The pinte was equivalent to about 0.9 litre.) The same year was marked by a visit to Forges, where he took the waters, only to find, according to his own account, that they did him more harm than good. "There is more vitriol in a bottle of Forges water than in a bottle of ink, and, frankly, I do not think ink too good for the health." In another letter on his attack he mentions Eau de Rabel, the Countess of Kent's Powder, Baume de Vauseger, and the remedy of Monsieur Aignan. The powder was, presumably, identical with that in vogue in England during the second half of the seventeenth century; Rabel was a French empiric, and François Aignan was a Capuchin known under the name of P. Tranquille (the baume tranquille was named after him, but this was not the remedy referred to in the letter). The famous visit to Frederick the Great brought under notice the pills of a certain Stahl; on his return to France, he writes begging the King of Prussia to send him a pound of the genuine pills, unobtainable in Paris. Fredrick becomes facetious: "There is enough in the pills," he declares, "to kill your three academies." However, his majesty adds that he has issued an order for the pills, "which the deceased Stahl had made by his coachman." In Germany, it appeared, the pills were no longer taken except in cases of pregnancy—though, pro-

vided the author regained his health, the means were a matter of indifference. Shortly afterwards the King sent his friend what was described as extract of cinchona. By this time Voltaire was an elderly man, increasingly pessimistic about his health. Writing to an army surgeon in 1752, he mentions that Demouret's remedy does not suit him. In the following year we read: "My doctor had advised me to have myself coated with resin according to the new method; but he has reflected that it would catch fire too easily and that we ought, you and I, to distrust combustible substances." To another friend he writes: "When you wish to paint an old, muffled up invalid with a pen in one hand and rhubarb in the other, between a doctor and a secretary, with books and a syringe, give me the preference." In 1761, while at Ferney, he writes to the Comte d'Argental: "What relation have Béloste's pills to the eyes? . . . do you know what Béloste's pills are composed of? Each pill warms, or I am much mistaken. . . ." Dr. Roger comments that the pills were mercurial and purgative. To the same correspondent, three years afterwards: "The great Dr. Tronchin covers his [Voltaire's] eyes with a softening pomade, into which corrosive sublimate enters." In 1766 he thanks the Marquis de Villevieille for sending him ten packets of "poudre des Chartreux." Finally, in his eightieth year, he writes: "Sometimes also I commit infidelities towards cassia in favour of rhubarb." Voltaire lived to be eighty-four. Like many more men of brilliant intellect, he may well have taken an unduly gloomy view of his general state of health; on the other hand, he undoubtedly suffered for years from eye-trouble, and was frequently confined to his bed. His last days, passed amid the excitement of an enthusiastic welcome in Paris, were signalised by the consumption of excessive potations of coffee and unknown doses of opiates.

Trade in Oilseeds and Oils

MARKET conditions in oilseeds and oils in this country have been somewhat handicapped during the last few months, partly due to the renewed marked lack of employment, and the fair revival of activity in the early spring proved short-lived. It is thus obvious that oil-seed crushers have found greater difficulty in securing an adequate outlet for their products even at the reduced level of prices now current. With the heavy industries in the North now in a poorer way than for some considerable time past, and restrictions on operations having inevitably to be reckoned with over the remainder of the summer, the outlook is somewhat dismal, although there is little doubt that a change for the better will take place in the early autumn. Meanwhile, values for seeds and oil-products, which have mostly depreciated, are showing some resistance at the decline, and the industry has managed to maintain a fair degree of activity under trying and obscure conditions. It is at least satisfactory to note that our imports of oil-bearing material for June made a very favourable comparison with the same month last year, increases being shown throughout, with the exception of a renewed decline in palm kernels. The receipts of linseed, cottonseed, and also soya beans were much larger; and, as will be seen from the figures given below, the returns covering the first half of the year, compared with the corresponding period of last year, would indicate that crushing operations have been fully maintained. A feature worth noting is that, whereas our imports of linseed-oil were much smaller at 994 tons for June, exports of home-made oil made a much better record, amounting to 1,822 tons. Incoming supplies of the main descriptions of raw materials covering the first half-year, as given by the official returns, are as follow:

U.K. imports (tons)	June, 1927	June, 1928	Jan.–June, 1927	Jan.–June, 1928	Inc. or Decr.
Linseed ..	20,553	30,887	183,843	206,576	+ 22,733
Cottonseed ..	40,458	57,238	299,254	315,237	+ 15,983
Soya beans ..	1,506	22,923	35,442	111,230	+ 75,778
Castor seed ..	3,389	3,552	19,658	16,525	— 3,133
Rapeseed ..	324	3,450	3,593	19,239	+ 15,546
Ground nuts	8,867	11,299	36,388	90,456	+ 54,068
Copra ..	3,900	4,653	30,597	23,401	— 7,196
Palm kernels	12,094	10,511	92,365	80,371	— 11,994
Total ..	91,091	144,523	701,240	863,035	161,795

It will, therefore, be seen that, in spite of the few items showing a decrease, our import trade in these commodities for the first half-year has experienced a good expansion, representing a net increase of 161,795 tons, equal to fully 23 per cent. Linseed crushers are, of course, dependent on supplies from the River Plate for the bulk of their needs, while the total U.K. receipts from all sources for the six months amounted to 206,576 tons, an increase of 22,733 tons compared with the same period of 1927, but it remains to be seen whether supplies for the second half of the year will be quite as heavy. Taking the July returns, the receipts of linseed were smaller at 17,338 tons, indicating a deficit of about 24,600 tons against July 1927, and those of cottonseed were also less by 15,000 tons at 30,000 tons, but 3,500 tons more rapeseed were accounted for, and there was an increase of about 7,000 tons in palm kernels and 9,300 tons in ground nuts at 19,500 tons and 11,500 tons respectively. A feature this season has been the larger absorption of supplies by the Continental industry, which was largely ascribed to an exceptionally heavy outlet for oil-cakes for cattle-feeding. This outlet was recently checked, but appears to be again an important factor at the moment, unless the recent long spell of hot, dry weather is remedied by good rains. An enlarged make of linseed cake usually means that the production of oil threatens to become excessive, except under active industrial enterprise. At any rate, this feature has helped to cheapen the cost of the oil in recent months, with the price fluctuating down to about £28 per ton on the spot, naked, ex mill, which was about the figure ruling at the close of last year, from which the price moved up quietly, reaching in the neighbourhood of £32 some months ago, when trade was more promising. Offers of seed since, both from the River Plate and India, have been more pressing, and this naturally tended to encourage the selling of linseed-oil, although a steadier feeling is now apparent. The fact has to be noted that the total world's shipments of linseed this year to about mid-July were returned at about 1,290,000 tons, of which 1,062,000 tons came to European ports. This total was not much less than at the corresponding period of last season, although the North American takings from the Argentina were considerably smaller. The prospective unshipped surplus from the River Plate and India combined, to draw from, over the remainder of this year has been estimated at 792,000 tons, compared with about 870,000 tons actually shipped last year from mid-July to December 30, but there should be an ample supply to go round, although American import needs may increase again, as domestic crop prospects have been affected by lack of rains. Moreover, the areas under cultivation are expected to be smaller, similar to conditions in Canada, where the acreage under wheat has been substantially enlarged at the expense of linseed. In regard to cotton-seed, contributions from Egypt were comparatively small, but this was more than made up by the substantially larger receipts from other sources, chiefly India, from which country we received about 130,000 tons more than in January-June last year. "Squeezing" tactics were resorted to in order to dispose of the balance of the Egyptian crop with the price rising to upward of £12

per ton, but the market lately fell back by about £2 a ton, due to some pressure of liquidation, while a dull trade demand has been generally experienced for cotton oil, with adverse fluctuations down to about £32 per ton for Egyptian crude. Castor seed has been likewise an easier market. Our export trade in vegetable oils latterly has been more satisfactory, although the returns for soya oil have not been quite so good as in the previous season. British trade in soya beans has been more interesting, while the receipts have materially increased, amounting to 111,230 tons for the six months—an increase of 75,778 tons against the same period in 1927. It is interesting to note that the crop outlook for soya beans in Manchuria is very promising, and that very heavy quantities have been arranged for shipment to the Continent over the end of this year.

How it Strikes Contemporaries

THE Legal Reports section in our issue of August 11 (p. 180) included a record of the quashing, at Liverpool Quarter Sessions, of a conviction of and sentence on a chemist who had supplied, from a prescription, morphine sulphate to a bogus doctor. Commenting on this case, "The Lancet" of August 18 remarks :—

One medical practitioner meeting another occasionally in the course of professional routine does not hold him at arm's length till he has obtained authentic evidence of his identity, qualifications, and registration. Similarly a chemist, who gradually becomes acquainted with the signatures of doctors who practise in his neighbourhood, can hardly be expected to go through a similar process when presented with a prescription over a signature with which he is unfamiliar. Is it to be deemed compulsory for a chemist to keep on his premises a copy of the latest medical list? If he does so, he may still be deceived by a forged signature, or conceivably the owner of the signature may have been deprived of his qualifications since the list was published. Nevertheless, the law requires that such reasonably sufficient steps be taken by the chemist as will satisfy him of the genuineness of the prescription; he must certainly not refrain from following up any point which arouses his suspicion.

To this conspicuously fair exposition of the requirements of the law, interpreted by common sense, we may add the information (which should be familiar to our readers) that the registrar of the General Medical Council, 44 Hallam Street, London, W.1, is at any time prepared to verify the presence of a name on the Medical Register. "Truth" of August 15, under the heading "Police-Ridden Chemists," states a similar view to that of "The Lancet" in a more outspoken form:—

In view of the admission of the police as to their confidence in the chemist's good faith, taken in conjunction with the notorious fact that the bogus doctor had imposed on the local doctors, it is not easy to understand why the prosecution was ever begun, or why the stipendiary fined the chemist.

These comments of our contemporaries deserve wide publicity. They may help to hasten the day when cases of this kind, with their unpleasant savour of petty persecution, will be rendered impossible by the force of an instructed public opinion.

Safeguarding Duty on Enamelled Hollow-Ware

ACCEPTING the recommendations of a Committee set up under the Safeguarding of Industries procedure, Parliament authorised the imposition of a 25 per cent. *ad valorem* duty on all imports of "enamelled hollow-ware of a description commonly used for domestic purposes." The necessary Finance Act Resolution was passed by the House of Commons on June 8 last, and the duty came into force five days later. The duty being limited to enamelled hollow-ware *of a description commonly used for domestic purposes*, it was thought by those connected with the trade that hospital enamelled hollow-ware would continue a free import. This opinion was confirmed by the President of the Board of Trade who, in reply to a question in Parliament, stated "the duty would be imposed on such goods as, for instance, are used by housemaids." Customs, however, appear to think otherwise. For the first five or six weeks the department held up practically all imports of enamelled hollow-ware irrespective of their character, demanding deposits. Apparently they had not made up their minds as to the interpretation to be given to "commonly used for domestic purposes." This practice of playing for safety continues in respect of a wide range of enamelled ware that is distinctly outside the limits of the duty, deposits are still being demanded, and the question of liability or otherwise is left in abeyance. Under such conditions the trade in hospital enamelled hollow-ware has been thoroughly disorganised. One of the few decisions made by Customs is being hotly contested by the traders' association. The Customs authorities have ruled that enamelled hollow-ware bed pans and urinals (male and female) are considered to be of a description commonly used for domestic purposes, and therefore liable to the duty. This is a glaring instance of the danger of leaving to a department the interpretation of the law as agreed to by Parliament. Such articles may be used in some private houses but only occasionally. Even then they are not used for domestic purposes, but under conditions quite distinct from ordinary normal conditions. The infrequent necessity for the use of these articles in private houses or their general use in hospitals does not, in our opinion, bring them within the same class of goods as cups and saucers, frying pans and saucepans, which are of a description commonly used for domestic purposes.

Postal Cheques

SHOULD the recommendations of the Committee of the Post Office Advisory Council which has been investigating the possibilities of postal cheques in this country be adopted, a further development in Post Office banking will be seen. It is pointed out in the Committee's report (Cmd. 3151, Stationery Office, 3d.) that the success of the postal cheque system on the Continent is no criterion of the suitability of a system based on the Continental model for introduction into this country. As a matter of fact it is well known that commercial banking facilities are less developed on the Continent than in this country, and the function of the postal cheque abroad is already performed by the much wider use of the ordinary banker's cheque. The Committee therefore recommend that a postal cheque system on the Continental model should not be embarked on at the present stage. There is no evidence available of any strong demand for postal cheques, but the Committee reports that there is a growing tendency on the part of savings bank depositors to ask for cheques and crossed warrants which are equivalent to cheques, in making withdrawals from their accounts. It is in the opinion of the Committee desirable to experiment with the existing system rather than to inaugurate a new one. With this object the Committee tentatively recommend that the Post Office Savings Bank should include cheque facilities for the depositor by earmarking a part of his savings for use in cheque transactions. As to how far these facilities should go, the Committee is divided, and a minority reservation by a member of the Committee considers that the proposed limited cheques would be of little more use than a bunch of postal orders, and proposes to add unlimited cheques also; a portion of the deposits could be earmarked to form the necessary current accounts on which no interest would be paid. The financial success of the scheme would largely depend on the degree in which the facility was used, and it will be interesting to see what the Treasury has to say on the various proposals which are now under their consideration.

"SCHOOLS OF SALESMANSHIP."—The National Union of Commercial Travellers, which is affiliated to the Trades Union Congress, has placed the following resolution upon the agenda of the forthcoming meeting, to be held in Swansea : "That this Congress, in view of the untrue and misleading claims made by advertising schools of salesmanship in relation to prospects of employment, is of opinion that these and all similar institutions should confine themselves to tuition only, and should not be granted licences by public authorities to function as employment bureaux."

Choosing an Employer

SOME notes appeared recently in the *C. & D.* concerning the experience of an employer in search of an assistant, and much valuable advice was then given to applicants who reply to advertisements published in the Supplement. There is, however, something to be said from the point of view of the assistant, and perhaps even employers may learn something if I try to set out his position.

My own experience is that employers, when advertising a vacancy on their staff, do not always state their requirements clearly; not all of them take advantage of the fact that their usual limit for expression is forty words—and much can be said in that space. Every advertisement should give the prospective applicant sufficient information to enable him to decide whether the position is likely to be what he wants or not. It should state quite clearly whether the assistant wanted is a qualified or an unqualified one, and what his principal duties will be. If the selected candidate is expected to live indoors this fact should be stated. I mention this because I have before now applied for a berth, and asked what I considered to be a reasonable salary, only to be offered considerably less than the figure I named because it was an indoor job. Many employers expect applicants to give full information in their first letter, but in reply rarely give more than the barest particulars of the business in which the assistant will have to work or the duties he will have to perform. Sunday duty, annual leave, class of business, hours of work, meal-times, early closing, number of staff—these are points upon which a prospective employee would like information before he makes up his mind about the job. Delay occurs if he writes to ask about these; and some employers even seem to resent too many inquiries on the part of an assistant. A little consideration on the employer's side may save a lot of trouble, both to himself and the man with whom he is communicating.

CASUAL METHODS

Employers do not always reply to the applicants who answer their advertisements. Even when I have sent a stamp with my letter, I have sometimes failed to get a reply. All enclosures should be returned by the advertiser. Moreover, a reply should be sent as soon as convenient. It is quite possible that a man may answer two or three advertisements at the same time, and if one application is declined, he should know it as early as possible so that he may be free to decide if another position is offered to him. Here, again, it is good policy from the employer's point of view for the reply to set out all the particulars of the vacancy. Two businesses may be much on a level, and two advertisers communicating with the same man may be able to offer pretty much the same sort of job. Both presumably want to engage the man who has replied to their advertisement, and whom they have already judged to be sufficiently suitable to merit an answer. Yet one employer may make his offer seem much more attractive than the other, merely because he furnishes full particulars on those points about the vacancy which are most likely to appeal to the prospective assistant.

On one occasion I had an experience which I hope is not a common one. I applied for a position in a good dispensing business, and ultimately got it. I found that the proprietor was a man with his own ideas on how to engage an assistant. Shortly after my installation as chief dispenser he showed me a batch of, perhaps, thirty unopened letters before he flung them in the fire, saying, "You weren't the only applicant." I found that he had received nearly a hundred replies to his advertisement, and had gone on opening them until he had come across one or two that he had considered satisfactory; then, having concluded negotiations with me, he destroyed the rest unread. Such an experience emphasises the warning that original testimonials should not be sent with an application for a position.

In many cases an employer asks for an interview before engaging an assistant. This is very desirable from the assistant's point of view, and I recommend any applicant to go and see the shop if he is within reach of it and can afford the necessary time and fare. If the employer asks for an interview he should pay the fare. There are some London employers who will offer the fare if they bring a man up from Brighton or Bristol, but think it unnecessary if he travels from a London suburb; and yet even the return fare across London is a considerable item nowadays, especially if the applicant is out of a job. There are, unfortunately, some employers who would not be satisfied even if an archangel worked for them. They do not give a man credit for serving them well. They seem to expect every new assistant to be a waster, and in many cases they probably get the kind of man they deserve. I once replied to an advertiser in the West End of London; when he wrote me again, his letter was mainly a tirade against unsatisfactory assistants. At the close of his letter he offered me a salary which was totally inadequate for the position. When I declined the job, I assured him that he would never get a satisfactory assistant so long as he refused to pay a proper salary. On another occasion I acted as a *locum* for a fortnight for a man who on my departure said: "Well, good-bye! I expect I shall get plenty of complaints about you after you have gone." I told him that I hoped he would give me a chance of answering any complaints that might be made, and offered to repay any expense he might incur in this way in postage.

If, in conclusion, I may presume to give advice to those chemists who employ an assistant, I would say that when engaging a new man it is as well to protect oneself at the outset by refusing to employ any man who is not personally recommended. This involves not merely reading written testimonials, but writing personally to the addresses supplied and asking for further information. A man well recommended by previous employers should be treated as a gentleman. The average man responds well to sympathetic treatment.—ASSISTANT (18/8).

Sterilising Sharp Instruments

THE principal methods employed for sterilising sharp instruments are boiling in water, subjecting to a high temperature in oil, by means of dry heat and immersion in chemical solutions. Experiments in connection with the last-named were recently described by M. Hayward Post, M.D., in the "American Journal of Ophthalmology." Some ordinary wire nails were placed in various solutions for three weeks, and the results were as follows:—Pure carbolic acid—considerable rust; chloroform—no rust; liquid albolene—no rust; glycerin—no rust; liq. cresolis co.—no rust; alcohol 95 per cent.—considerable rust; alcohol 95 per cent. with liq. cresolis co. 2 per cent.—no rust; alcohol 95 per cent. 5 oz., commercial chloroform 3 oz.—considerable rust; alcohol 95 per cent. with liq. cresolis co. 2 per cent. 1 oz., commercial chloroform 3 oz., albolene 4 drops—considerable rust and greenish deposit; alcohol 95 per cent. with liq. cresolis co. 2 per cent. 1 oz., commercial chloroform 1 oz., albolene 4 drops—no rust. The nails were then replaced by safety razor blades in these latter solutions. It was found that in a solution of alcohol 95 per cent. 2 oz., chloroform 2 oz., liq. petrolati 3 drs., much greenish rust had appeared in eight days. In the following solution:—

Alcohol (95%) with liq. cresol. co. 2%	2 oz.
Commercial chloroform	2 oz.
Liq. albolene	2 dr.

no rust or tarnish appeared on the blades after many days. This solution was then tested to find if it was sufficiently germicidal and it is described as satisfactory. It is not believed that the solution is able to kill spores, except after a period of several days, but from a practical point of view it is not considered necessary that it should do so. The solution has been in use for some time and has given satisfaction. The method of using it is to wrap the knife blades lightly in cotton and immerse them in the solution immediately upon arriving at the operating room. They are allowed to remain in the solution for at least half an hour, when the cotton is removed and the knives allowed to dry. Occasionally a little wiping is necessary. Staining has never occurred, and repeated operations have been done without appreciable loss of sharpness. Following the operation the knives are reimmersed in the solution for a minute and after being allowed to dry are put away without wiping

Insurance Act Dispensing

Record of matters concerning Chemists' interests in the National Health Insurance Acts.

ENGLAND AND WALES

Local Reports

Barrow.—A meeting of the Insurance Committee was held on July 25. The Pharmaceutical Service Subcommittee reported on two cases in which prescriptions were inaccurately dispensed. In one case there was a deficiency of 12 per cent. in calcium chloride, and of 6.3 per cent. in syrup of orange. In the other case there was a deficiency of 24 per cent. in calcium chloride and of 6 per cent. in syrup of orange. The chemists had given their explanations, and in each case they were requested to exercise greater care.

Denbighshire.—At a recent meeting of the Insurance Committee consideration was given to the report of the Pricing Bureau, and attention was drawn to the fact that between 1925 and 1927 the number of prescriptions issued in Wales had increased by 332,832, and the cost of drugs and appliances by £10,868. The average cost of drugs and appliances per insured person in Denbighshire has exceeded the average for Wales for each of the past five years. Denbighshire had the highest rate for frequency of prescriptions issued for each of the four quarters of 1927. Attention was also drawn to the increased use of insulin. The cost of serums and vaccines used in the county had also increased.

Devon.—A meeting of the Pharmaceutical Committee was held at Exeter on July 4, Mr. W. W. Pine in the chair. The report of the Central Checking Bureau for January was approved.

Exeter.—A report on the conference of the South-Western Pricing Committee was read at a meeting of the Exeter Insurance Committee on July 24. This contained the observation that legibility of doctors' prescriptions left a good deal to be desired. Dr. J. Periera Gray said that was an old chestnut, and the clerk thought the comment could not apply to Exeter. The Committee had before it data relating to the administration of medical benefit, showing that on July 1 the number of pharmacists under contract with the Committee was twenty-three, an increase of one. The Exeter average for the chemists' fund was 8.81d., compared with 8.76d. for the South-Western area. Mr. W. H. Hele, referring to the fact that the chemists' fund average continued to creep up, said he wondered whether the drugs and prescriptions supplied to the insured persons were actually used to the full. After some discussion it was decided that the medical benefit arrangements should be reviewed.

Herts.—At a meeting of the Insurance Committee, on July 2, the clerk reported that he had received a complaint of a doctor recommending a certain chemist to his patients. He added that he did not know the facts, or whether the complaint was right. The matter was referred to the Joint Services Committee for investigation.

Kent.—At a recent meeting of the Insurance Committee the Pharmaceutical Service Subcommittee reported complaints against four chemists in regard to the incorrect dispensing of medicine. In two cases it was recommended that the chemists concerned be censured, and in the other cases that they be cautioned.

Lancashire.—The Panel Committee have considered alleged excessive prescribing by practitioners in the county area resulting in excess cost on the drug fund. While not able, without detailed investigation, to reach definite figures, the Committee state that 66⅔ per cent. over the area average could fairly be regarded as excess cost on the drug fund. Two doctors explained alleged excessive prescribing as due to "abnormal frequency," the "high cost of ingredients," and an unusual proportion of "chronic" cases. The Medical Benefit Subcommittee recommended that £10 be withheld from the moneys payable in respect of medical benefit.

London.—The annual report of the Pharmaceutical Committee for the County of London for the year ended June 30, 1928, contains, *inter alia*, the following comparative statement :—

Year	Number of prescriptions	Mean number of persons	Average number of prescriptions per person	Average cost per person
				d.
1923 ..	6,132,356	1,593,151	3.85	30.98
1924 ..	6,856,766	1,576,017	4.35	35.95
1925 ..	7,408,518	1,608,973	4.60	37.57
1926 ..	7,890,186	1,711,240	4.74	38.05
1927 ..	8,743,249	1,778,563	4.92	40.16

The average total value per prescription for the past seven years is given as 8.96d. ; 9.17d. ; 8.40d. ; 8.26d. ; 8.16d. ; 8.25d. ; 8.17d. The system of checking prescriptions has maintained a high standard of accuracy in the pricing throughout the year, the average margin of error being only 0.035 per cent. The report states with regard to items disallowed : "Certain chemists have, unfortunately, supplied in error appliances for which no payment can be made, as they are not specified in the second schedule. Among those which have been disallowed during the year are :—Elastic stockings, glass funnel, bunion pad, nasal douche, vaccination pad, atomiser, ear syringe, rubber stem pessary (not a ring), surgical belt, truss, spongiopiline, Yeo inhaler, medicine glass, eyeshade. The Standing Subcommittee have carried out further investigations regarding the official standard of several medicaments with a view to ascertaining, if possible, the cause of the variable results shown by analysis. The Subcommittee have reported from time to time the results of their deliberations relating to the accuracy of the dispensing service, also on complaints regarding the advertising of Insurance dispensing, which have been dealt with successfully. The Committee have received certain complaints against insured persons who have caused annoyance to chemists by their conduct. Up to the present the Regulations do not provide for the investigation of such cases, but the Committee propose to make representations to the appropriate quarters with a view to securing an additional Regulation which would give the Insurance Committee power to deal with these cases. For some time past there has been agitation to make it compulsory for chemists to supply all medicines to insured persons in marked bottles. Owing to the practical difficulties, the Committee have always disagreed with such a proposal, but in a recent circular (G.C. 17) they recommend chemists to use graduated bottles where suitable and practicable. In 1926 23 per cent. of the samples taken were referred to the Pharmaceutical Service Subcommittee. During the year 1927 449 samples (363 drugs, 86 appliances) were taken and the number of cases referred to the Pharmaceutical Service Subcommittee was 84 (83 drugs, 1 appliance), representing 18.8 per cent. of the total. This figure compares very favourably with that of the previous year.

SCOTLAND

Dumfries.—At a meeting, on July 4, of the Dumfries and Maxwelltown Insurance Committee, the new instructions and regulations issued by the Board of Health in regard to the allocation and distribution scheme were adopted. With regard to a circular from the Board about the new scheme in connection with the testing of drugs and appliances, the clerk reported that at a meeting of the Panel Committee the matter had been fully considered, and the Committee was of opinion that as far as this area was concerned the existing machinery under the Sale of Food and Drugs Acts, with suitable modification, was sufficient, and that they accept only with strong protest a scheme which called upon doctors to write prescriptions for the purpose of analysis. Dr. Robson said he presumed the new regulation had to do with seeing that the correct quantities were prescribed. In any case he was certain there would be no occasion for action in regard to chemists in their area. It was, he thought, a certain class of chemists in some of the big cities that the scheme was meant to get at. On the suggestion of the chairman it was agreed to appoint a subcommittee to find out what was being done elsewhere in regard to the Board's proposals.

Trade Report

The prices given in this section are those obtained by importers or manufacturers for bulk quantities or original packages. To these prices various charges have to be added, whereby values are in many instances greatly augmented before wholesale dealers receive the goods into stock, after which much expense may be incurred in garbling, packing, etc. Qualities of chemicals, drugs, essential and fixed oils, and many other commodities vary greatly, and higher prices than those here quoted are charged for selected qualities of natural products even in bulk quantities.

42 Cannon Street, E.C.4, August 23

CONTINUED quietness in all directions is reported among pharmaceutical chemicals, and there are few price changes, trading being limited to current requirements. All citrates are 2d. per lb. higher, owing to the advance in citric acid. Hexamine has reached a very low level, and methyl salicylate continues weak. Phenacetin and phenazone are steady. In drugs more interest has been shown in menthol, owing to higher cables from Japan, and prices have advanced on the spot also. Ergot is cheaper for all descriptions, and the market has been rather more active. Ipecacuanha is easier and unsettled; agar-agar is about 3d. higher on spot. Cumin seed is cheaper for forward shipment. Opium is quiet but firm. Cloves, pepper and shellac are cheaper, while pimento is dearer. Business in essential oils is quiet, changes being slight; American peppermint is higher, cajuput firmer, lemongrass and pennyroyal easier, and Hungarian coriander lower for new crop to come forward. In the fixed oils group a few products show a slight recovery in values, cotton and coconut being steadier. Linseed has moved within a narrow margin, closing slightly firmer for near delivery; turpentine has been dull, showing a tendency to ease. Among the industrial chemicals business continues on a limited scale, the chief alteration being a sharp advance in acetone, due to temporary cessation of supplies from previous sources and an acute shortage on spot. Sodium acetate is slightly dearer; acetic acid is unchanged. Arsenic is on the easier side. In coal tar products creosote oil is slightly cheaper for export, other items being unchanged.

Higher	Firmer	Easier	Lower
Acetone	Agar-agar	Arsenic	Acid oils
Citrates	Cajuput oil	Creosote oil (export)	Cloves (Zan.)
Citric acid	Sodium acetate	Ipecacuanha	Coriander oil (c.i.f. new crop)
Menthol		Lemongrass oil	Cumin seed (c.i.f.)
Mercury		Pennyroyal oil	Dextrin (Amer.)
Peppermint oil (U.S.)	Steadier	Rubber	Ergot
Pimento	Coconut oil	Terpin hydrate	Maize starch crystals (Amer.)
Wax, paraffin	Palm kernel oil		Shellac

Crude Drugs, etc.

AGAR-AGAR has advanced 3d. on the spot to 4s. 6d. for Kobe No. 1, and to 4s. for Yokohama.

ANTIMONY continued dull but fairly steady. English refined ranges from £58 up to £60. There is only interest in Chinese regulus, which is obtainable at about £39 per ton, ex warehouse. Shippers are firm, and even asking higher prices at about £38 c.i.f. Crude is nominal at £33 10s. per ton spot.

BALSAMS.—*Tolu* is quoted at from 3s. 10d. to 4s. per lb. on the spot, the latter for good bright hard, which is scarce. B.P. *Peru* is 6s. 9d. per lb. for genuine, and B.P. *Copaiba* is 1s. 8d. per lb.

CADMIUM.—The recent firmness is fully upheld and the spot price is 3s. per lb. for Australian metal, but some business is being entertained at well under that figure for parcels to arrive.

CHAMOMILES.—Prices of the new crop Belgian vary from 170s. to 180s. per cwt., c.i.f.

CLOVES.—Zanzibar are easier at 11¾d. per lb. on the spot. Sales of August-October shipment have been made at 11¼d. c.i.f. and October-December at 11¼d. to 11⅜d. per lb. c.i.f. The landings of Zanzibar in London during the week ending August 18 were 123, and the deliveries 183, leaving a stock of 4,932, against 12,184 in 1927 and 11,458 in 1926. The landings from January 1 to August 18 have been 12,422, against 15,258 in 1927, and the deliveries 15,170, against 10,677 in 1927.

COCOA BUTTER.—Prime English is offered at 1s. 6d. per lb. in not less than one-ton lots.

COD-LIVER OIL is quite dull and prices are unchanged.

CORN PRODUCTS, ETC.—Guaranteed water-white *glucose* (corn syrup) is 23s. per cwt. for August-September delivery and 22s. for October-December. Dutch is 22s. 6d. ex store, London. Dutch *maize starch powder* (cornflour) is 16s. per cwt. on the spot. American is 16s. 9d. per cwt., ex store, London, for August-September delivery and 15s. 9d. for October-December. Pearl starch is 16s. 3d. for August-September delivery and 15s. 3d. for October-December, ex store, London. Dutch *maize starch crystals* is 22s. on the spot, and American is 20s., ex store, London, for August-September delivery and 20s. for October-December. Dutch *dextrin* is quoted at 22s. to 26s. per cwt. on the spot as to quality. American canary is 20s. 1½d. per cwt. for August-September delivery and 19s. 7½d. for October-December. White is 19s. 10½d., ex store, London, for August-September delivery and 19s. 4½d. for October-December. Dutch *farina* is 14s. 6d. per cwt. on the spot, and for forward shipment 14s. per cwt. f.o.b. is quoted.

ERGOT is cheaper all round. Spanish is offered at 3s. 3d. to 3s. 6d. per lb. c.i.f. for September shipment, and Russian and/or Polish varies from 1s. 11d. to 2s. 1½d. c.i.f. Spot has been sold at 2s. per lb. Spanish is quoted at 4s. 6d. to 5s. spot.

GINGER.—Sales of West African have been made at 52s. per cwt. on the spot, and to arrive sellers quote 51s. c.i.f.; fair washed rough Cochin is 65s.

IPECACUANHA is easier, with small sales of Matto Grosso at about 10s. 6d. to 10s. 9d.

MAGNESIUM.—Buying has been more active and home makers are well able to maintain their prices at 4s. to 4s. 3d. per lb. for small ingots or sticks; powder varies from 5s. 6d. to 6s. 6d.

MENTHOL is dearer, with spot sales up to 19s. 3d. per lb. for Kobayashi-Suzuki, sellers quoting 19s. 6d. at the close. Forward prices have advanced, with sellers of October-December shipment at 19s. 3d. c.i.f. and January-March at 18s. 9d. c.i.f.

MERCURY.—There has been a further advance, with plenty of inquiry from abroad, although local buying is restricted. Sellers on the spot are shy and business is difficult as there is not much stock available. Spot quotations are about £23 5s. to £23 10s., less 3 per cent., with some sellers asking up to as much as £23 15s. A fair business has been reported for the Eastern markets. The New York quotation is now up to about $130 per bottle, duty paid. Further inquiries have been reported from America. Imports into the U.K. for last month were 1,450 bottles, making a total for the seven months of 10,436 bottles, which compares with 14,003 bottles for the same period last year. There is still no quotation available from Italy and Spain, the mines being reported out of the market.

OPIUM.—The London market is quiet but firm in view of the rising market at the source. The spot price for usual 10½ to 11½ per cent. Turkey druggists' is 1s. 10d. per unit. Opium valued at £4,000 has been imported into London in the name of the High Commissioner for India. The following report has been received from Turkey:—

CONSTANTINOPLE, August 15.—During the past fortnight sales have been largely speculation and comprise 77 cases druggists' at £T21 to £T26 per oke; 47 cases "softs" at £T24½ to £T27. Arrivals have been 785 cases druggists', 99 "softs," and 30 Malatia, making 914 in all, against 988 last year. The stocks are now 1,201 druggists', 157 "softs," and 108 Malatia, a total of 1,466, against 1,320 last year. The Turkish market presents a very abnormal outlook, because not only has speculation created an artificial value, but some exporters have been encouraged into reporting that harvesting was being abandoned, and other "wild" statements have been made. Offers were made on the Continent at prices 12 per cent. below selling rates, leaving buyers nervous until the position becomes more clear. Again these exporters have sufficient stocks and hope, later on, to drive the European market into paying 10 per cent. above the actual Continental value. This gambling continues, and at the moment all the inferior material is being bought up in the interior to replenish stocks, and prices are rising. Each day small quantities are bought in order to maintain the deception. It follows that as Macedonia is selling out her production before that of Turkey a very unfavourable position exists. Our opinion is that this speculation cannot go on much longer and that holders will return to normal straightforward prices based on cost of production, not on fictitious demands, for the crop is, in our opinion, in every way normal.

PEPPER is lower: fair black Singapore on the spot is 1s. 3¾d. per lb. and August-October shipment 1s. 0½d. c.i.f.; Lampong is 1s. 2d. spot, and August-October shipment has been sold at 1s. 0½d. to 1s. 0¼d. to 1s. 0½d. c.i.f.; Tellicherry is 1s. 4¾d. spot, and January-March shipment 120s. c.i.f. Alleppy is 1s. 4d. spot. White Muntok is cheaper at 1s. 11¼d. spot; August-October shipment has changed hands at 1s. 7½d. to 1s. 7⅜d. c.i.f.

PIMENTO is firmer at 9d. per lb. on the spot, and for August-September shipment sellers quote 80s. per cwt. c.i.f.

RUBBER.—Since our last the market has been slightly weaker, on account of a slackening in demand, the price

of spot rubber having declined $\frac{3}{16}$d. per lb. on the week. Reports continue to arrive from America, however, showing a sustained demand from the principal consumers, and even the voluntary *questionnaire* figures admit of an increased consumption all round. Exact figures are not yet available, but from information from all countries the consumption this year is estimated to exceed that of last year by something approaching 80,000 tons. Last week's stocks were again reduced, 1,355 tons having been landed and 2,413 tons delivered, showing a further substantial decrease of 1,058 tons in the stocks. The London stock now stands at 32,591 tons, against 64,842 tons at the corresponding period last year. Quotations (Wednesday, 5 p.m.): No. 1 standard ribbed smoked sheet, spot and August, 9¼d.; September, 9¼d.; October/December, 9 $\frac{7}{16}$d.; January/March, 9⅜d.; April/June, 9½d. per lb.

SEEDS.—There has been a little more business done during the past week. ANISE.—Spanish, 50s.; Russian, 28s. per cwt. CANARY.—Mazagan is 16s. 6d. spot, and business has been done at 15s. 9d. o.i.f. for August-September shipment. Saffi is quoted at 16s. c.i.f. on a good sample. CUMIN.—Maltese is 54s. spot and 46s., 6d. c.i.f. is quoted forward; Morocco is 48s. spot, and 44s. 6d. c.i.f. is quoted for forward shipment. CORIANDER.—Morocco is 22s. spot, and sellers quote 20s. c.i.f. for August-September shipment. Russian is 22s. 6d. spot. FENUGREEK remains firm at 17s. spot, and 17s. c.i.f. is quoted for forward shipment. HEMP.—Manchurian is 20s. on the spot. LINSEED.—Mazagan is 20s. 6d. spot, and sellers at 18s. 3d. c.i.f. for August-September shipment. MUSTARD.—English is 28s. on the spot. DILL SEED is offered at 21s. 6d. spot, and Indian FENNEL at 55s. spot.

SENEGA is firm and unchanged on the spot at 5s. per lb., and to come forward about 4s. 9d. c.i.f. is quoted.

In its issue of August 6 the New York "Oil, Paint and Drug Reporter" states that:—The spot price was advanced 10c. to the basis of $1.20 to $1.25 per lb. This spot advance reflects higher prices now demanded by holders in the Winnipeg market. Reports of a large crop and a probable decline in prices have gone by the board. It has been demonstrated that the Winnipeg factors have been consistent buyers in the country at the very time when they advised prospective buyers for export and consumption that the crop would be large and prices would be lower. The view held by large botanical dealers in this market is that the primary market factors had been attempting to discourage buying by predicting price declines, themselves being buyers of everything offered them from the country collectors. When they quoted New York $1 per lb., they were paying that price to the country collectors—and that price to the collectors was 15c. above the lowest prices at which they had bought goods when the country buying season began. During the past week, one spot dealer paid Winnipeg $1.10 per lb. and placed the order only after great difficulty, the representative of the Winnipeg factors making a special concession. Higher prices are expected by most factors here.

SHELLAC is about 7s. 6d. per cwt. cheaper on the spot, usual standard TN orange quality offering at 215s. per cwt.; fine orange is 230s. to 330s.; pure button, 240s. To arrive, sales of TN for August-September and September-October shipment have been made at 205s. to 197s. c.i.f., and October at 207s. 6d. to 197s. c.i.f. The sales for delivery include October at 212s. 6d. to 207s. 6d., and December at 201s. to 205.

TRAGACANTH.—Fine white No. 1 leaf is in small supply at £30 per cwt.

VALERIAN ROOT.—Belgian new crop is quoted at from 10s. to 15s. per cwt. above London spot prices.

Essential Oils

VALUES continue at previous rates, with a few slight alterations. Ameriean peppermint is dearer and cajuput firmer. Lemongrass and Spanish pennyroyal are easier, while Hungarian coriander, new crop, is quoted at a mueh lower figure.

ANISE (STAR).—"Red Ship" is firm but in poor demand at 2s. 4d. per lb. on the spot. Forward quotations are maintained at the recently enhanced values.

BERGAMOT is unchanged but firm at 23s. 6d. per lb. on the spot and 23s. c.i.f. for 37-38 l.a.

CAJUPUT is firmer and now worth about 2s. 10d. per lb. on the spot.

CALAMUS is quoted at 8s. per lb. on the spot.

CASSIA is slightly easier at 6s. 1½d. per lb. on the spot and 5s. 3d. c.i.f. for 80-85 per cent. c.a. guaranteed free from alcohol.

CEDARLEAF is quoted at 6s. per lb. c.i.f.

CEDARWOOD is neglected at 1s. 2d. per lb. in drums and 1s. 3½d. in cases.

CITRONELLA.—Ceylon is steady at 1s. 9d. per lb. on the spot and 1s. 6d. c.i.f. Java is quoted at 1s. 10d. per lb. c.i.f. and 1s. 11d. on the spot.

CORIANDER.—Genuine Hungarian can be had on the spot at 44s. per lb., with the forward price at 41s. 6d. per lb. c.i.f. for immediate shipment. New crop to come forward is quoted as low as 30s. per lb. c.i.f. in one direction. French in small lots is offered at 45s.

GERANIUM.—Bourbon is in fair supply but poor demand at 18s. per lb. on the spot and 17s. 6d. c.i.f. Algerian is unchanged at 14s. 6d. per lb. on the pot.

JUNIPER BERRY.—Genuine Hungarian is quoted at 8s. 6d. per lb. on the spot.

LAVENDER is firm on the spot at 14s. 6d. to 15s. per lb., as to quantity, for 38 to 40 per cent. New crop oil is quoted at 14s. per lb. c.i.f., but nothing definite is known as to the yield, although the confident belief is that there will be a short crop.

LEMON is slightly easier on the spot owing to lack of demand, and the presence of second hand parcels selling at 13s. per lb. upwards. The forward price, however, continues firm at from 14s. 9d. to 15s. per lb. c.i.f., with little business passing.

LEMONGRASS is slightly easier at 3s. 2½d. per lb. on the spot and 3s. 1d. c.i.f.

LIME.—West Indian distilled is firm at 25s. per lb. on the spot. Hand pressed is nominal.

NUTMEG is worth 7s. per lb. on the spot.

ORANGE.—A complete absence of inquiry is still prevalent, so that many parcels are being quoted at very low rates to try and induce buyers to purchase. Good Sicilian sweet is however still held by many at 27s. per lb. on the spot. West Indian is called 24s. per lb., but there is no business being done. An unconfirmed report indicated a quotation of 30s. per lb. c.i.f. for new crop Sicilian, but this is a premature figure and probably a bullish movement.

PENNYROYAL.—Spanish is easy at 4s. per lb. on the spot for 85 to 90 per cent. pulegone.

PEPPERMINT.—Japanese dementholised is firm at 7s. 3d. to 7s. 4½d. per lb. on the spot for Kobayashi-Suzuki, with August shipment at 6s. 9d. to 7s. per lb. c.i.f. American natural tin oil is dearer for shipment, new crop now being quoted between 13s. 6d. and 14s. per lb. c.i.f. for September-October. The spot value ranges from 13s. 6d. to 14s. 6d. per lb., according to brand. Heavy buying on the other side is given as the reason for the advance. H.G.H. is also firmer at 19s. 6d. on the spot. Italo-Miteham is quoted at 15s. per lb. on the spot.

PETITGRAIN is scarce on the spot, Paraguay being very firm at 7s. 6d. per lb.

SASSAFRAS.—Natural American is quoted at 3s. 9d. per lb. c.i.f., and is selling at 4s. 6d. on the spot.

SPEARMINT is in slight demand and quoted at 19s. 6d. per lb. on the spot and 18s. 6d. c.i.f.

WORMSEED (CHENOPODIUM) shows an unwarranted firmness in spite of lack of demand. Quotations vary from 11s. to 11s. 6d. per lb. c.i.f., with the spot value at 12s. per lb.

The following arrivals have taken place from the countries indicated during the period August 15 to August 21 (inclusive): Amyris (U.S.), 7 cs.; bergamot (It.), 27 cs.; cassia (Ch.), 3 dm.; cedarwood (Fr.), 1 dm.; citronella (Br. Ind.) 1 dm., (Cey.) 5 dm.; clove (Fr.), 1 dm.; geranium (Fr.) 4 dm., (Réun.) 5 dm.; lemon (It.) 8 cs., (Ger.) 1 cs.; peppermint (U.S.) 8 cs., (Jp.) 30 cs.; rose (Fr.), 7 cs.; sandalwood (Ger.) 1 cs., (Br. Ind.) 90 cs.; wormseed (U.S.), 6 cs.; ylang-ylang (Fr.), 3 cs.

Pharmaceutical Chemicals, etc.

CONTINUED quietness in all directions is reported, while the general tone is steady and unchanged. All citrates are 2d. per lb. higher

ACETANILIDE remains quiet, with B.P. crystals and powder quoted on spot from 1s. 5d. to 1s. 6d. per lb.

AMIDOPYRIN is unchanged on a slow market: spot, 7s. 9d. to 8s. per lb.

ASPIRIN is meeting with a moderate demand on a steady market: home makes quoted from 2s. 6d. to 2s. 8d. per lb., as to quantity, but there is evidence of small isolated parcels of Continental make available at a shade less.

BARBITONE remains slow of sale, with spot offers at about 5s. 8d. to 5s. 9d. per lb.

BENZALDEHYDE continues to be quoted at 1s. 11d., in carboys, and about 2s. 1d. per lb. for small parcels; market quiet.

BENZONAPHTHOL is unchanged at about 2s. 10d. per lb., in five-kilo parcels.

BISMUTH SALTS are steady: makers and dealers quote carbonate at 9s. 9d. and subnitrate at 8s. 3d. per lb., in cwt. lots.

BROMIDES.—Business seems to have been quiet, with the market unchanged and fairly steady, although there is rather keen competition: dealers quote ammonium about 1s. 11d.; potassium, B.P., crystals, about 1s. 7½d.; granular, about 1s. 7d.; sodium, B.P., 1s. 10d. per lb., for quantities in cases. British makers' list prices are as follows:

ammonium, 2s. 3d.; potassium crystals, 1s. 11¾d.; granular, 1s. 11¼d.; sodium, 2s. 2d. per lb. In minimum lots of one cwt., ammonium is 2s.; potassium, crystals, 1s. 8¾d.; granular, 1s. 8¼d.; sodium, 1s. 11d.; five-cwt. lots are ½d. cheaper than the one-cwt. price, and ton lots are ½d. cheaper than the five-cwt. price.

CALCIUM LACTATE is steady, with only a small business moving: quoted from 1s. 1½d. to 1s. 2¼d. per lb., as to quantity.

CHLORAL HYDRATE is well maintained on spot at 3s. 1½d. per lb. for cwt. lots of duty-paid crystals; small parcels up to 3s. 3d.

CITRATES.—The makers have advanced their prices by 2d. per lb. and now quote as follows—

	List.	28 lb.
Potassium citrate, B.P.	2/9 ...	2/8
Sodium citrate, B.P.C., 1923... ...	2/9 ...	2/8
Sodium citrate, B.P.C., 1911	2/6 ...	2/5
Iron citrate and ammonia, B.P. ...	2/11 ...	2/10
Iron citrate and ammonia, green scales	3/4 ...	3/3

CITRIC ACID (B.P. crystals) are higher, with spot offers in the region of 1s. 10½d. to 1s. 11d. per lb., less 5 per cent., for foreign. Continental makers are now quoting for shipment from 1s. 10½d. per lb., c.i.f.

CREOSOTE.—B.P. remains quiet, with offers on this market from 1s. 8d. to 1s. 8½d. per lb.

CREOSOTE CARBONATE is steady but quiet at 5s. 10d. to 6s. per lb.

GUAIACOL CARBONATE remains slow, with quantities at slightly under the quoted rate of 4s. 6d. per lb.; small parcels, up to 4s. 8d.

HEXAMINE.—Prices are down to a very low level, and any alteration, of which there is at present no sign, is not likely to be to still lower levels: small crystals, 1s. 11d.; free-running crystals, 1s. 11½d.; one-cwt. lots, about one penny more.

HYDROQUINONE is steady, with a fair business moving: half-ton lots, 3s. 7½d.; 7-lb. parcels, 4s. 6d. per lb.

LACTIC ACID is steady at the new prices given last week: five-ton lots, 1s. 6½d.; one ton, 1s. 7½d.; ten cwt., 1s. 8½d.; two cwt., 1s. 9½d.; one cwt., 1s. 10½d. per lb., carboys free, carriage paid.

MERCURIALS.—Makers' prices are unchanged, although the price of metal has advanced considerably since the last change in mercurial salts. Calomel is 6s. 4d., and corrosive sublimate powder 5s. 2d. per lb., in cwt. lots.

METHYL SALICYLATE (B.P.) continues in poor demand on a rather weak market; quoted from 1s. 4¼d to 1s. 6d. per lb., as to quantity.

METHYL SULPHONAL remains slow of sale: spot offers are in the region of 8s. 9d. per lb.

PARAFORMALDEHYDE is unchanged on a quiet market: 100 per cent. powder, 1s. 8d., in kegs; small parcels, 1s. 9d. per lb.

PARALDEHYDE is steady but still quiet: quantities, in carboys, from 1s. 1d.; small lots, in bottles, 1s. 3d. and upwards.

PHENACETIN continues level on the week, with only a limited-sized business moving: quoted from 2s. 4d. to 2s. 5d. per lb.

PHENOLPHTHALEIN is unchanged at 5s. 11d. to 6s. 1½d. per lb., as to quantity.

PHENAZONE is steady as offered on spot from 3s. 9d. per lb. in cwt. lots; small parcels, 3s. 10d. to 3s. 11d. per lb.

POTASSIUM PERMANGANATE (B.P.) is steady at 5½d. per lb., in drums, and 6d. for small parcels; market very quiet.

RESORCIN is quoted from 3s. to 3s. 2d. per lb., but these prices are being shaded.

SALICYLIC ACID (B.P.) continues steady, with business fair: 1s. 3d. for minimum ton lots up to 1s. 6d. per lb. for small parcels.

SALOL is unchanged at the controlled rates: two cwt., 2s. 3d.; one cwt., 2s. 4½d.; 56 lb., 2s. 5d.; small parcels, 2s. 6d. per lb.

SODIUM BENZOATE (B.P.) remains quiet: foreign powder is quoted at from 1s. 7½d. per lb., in two-cwt. barrels; small parcels, from 1s. 8d.

SODIUM DIETHYLBARBITURATE is slow: quoted on spot from 7s. 10d. per lb.

SODIUM SALICYLATE (B.P.) continues unsteady, with noticeable competition: crystals, about 1s. 7½d.· powder, about 1s. 6½d. per lb., for quantities, in cases; slightly more for cwt. or less.

SULPHONAL is very quiet at about 6s. 6d. per lb. on the spot.

TANNIC ACID.—B.P. *leviss* continues to be quoted from 2s. 10d., in minimum cwt. lots, and at 3s. to 3s. 2d. for smaller parcels.

TARTARIC ACID (B.P. crystals) continues quiet: quotations are about unchanged at 1s. 4d. to 1s. 4¼d., less 5 per cent., for quantities of foreign.

TERPIN HYDRATE is easier, with fair-sized spot parcels quoted at 1s. 5d. per lb.; slightly less for quantities to come forward.

THYMOL is quoted in most quarters at about 9s. 9d. per lb. for cwt. lots of fine white synthetic; isolated lots might be picked up at slightly less.

VANILLIN is unchanged: dealers are offering 100 per cent. from cloves at from 15s. 6d. per lb., while the home makers' list price is unchanged at 17s. to 17s. 9d. per lb., and contracts are being made at theso figures.

Industrial Chemicals, etc.

London, August 22.

THE chief item to record is the very altered position of acetone, which has not yet developed to its full extent. Acetate of soda is slightly dearer. Other items are about unchanged, with business still limited in size.

ACETIC ACID is unchanged, with a subdued market: 80 per cent. technical, £36 15s.; 80 per cent. pure, £37 per ton, in barrels; glacial, pharmaceutical, 99 to 100 per cent., £66, in glass demijohns; glacial, in barrels, £56 per ton, ex store.

ACETONE.—There has been a very sudden and considerable change. The American source, which had hitherto more or less commanded this market, has ceased, and it is understood no further supplies will be available from that source. Continental sources of supply, in view of recent uneconomic prices, had either shut down or very nearly so. The result is that, so far as this market is concerned, there is an acute shortage. It is doubtful if there is more than a ton or two available. There is no price quoted, but an estimated figure is about £80, or higher, for B.G.S., in drums. When the Continental makers commence again it is certain prices will have to be a good deal higher than the recent levels of £64 to £67.

ALUM is unchanged and quiet: lump on spot is quoted at about £8 7s. 6d. to £8 10s. per ton, in casks; slightly cheaper forward.

AMMONIA (ANHYDROUS) is meeting with a fair business in small orders: 99.95 per cent. is quoted from 9d. to 11d. per lb., in loaned cylinders, carriage paid; contracts slightly less.

AMMONIUM CHLORIDE is steady but very flat: grey galvanising, £21 to £21 10s. per ton, in casks, ex store; slightly less for contracts.

ARSENIC.—The trade demand for white Cornish is dull and prices are easier, ranging from about £16 10s. to £16 15s. per ton f.o.r. Mexican high-grade is £17 15s. c.i.f. Liverpool, but business is virtually impossible.

BARIUM CHLORIDE continues steady on spot at £9 to £9 7s. 6d. per ton for 98 to 100 per cent. prime white crystals, in casks, ex store; forward, £7 15s. f.o.b. Continent.

BLEACHING POWDER is a competitive market at from £6 12s. 6d. to £7 per ton, carriage paid.

BORAX PRODUCTS continue unsettled on a competitive market.

COPPER SULPHATE.—Export business is limited, as usual at this time of the year, and the nearest quotation, in casks, is £25 10s. per ton f.o.b., less 5 per cent.

CREAM OF TARTAR remains sluggish, with B.P. foreign powder quoted on spot from 94s. to 95s. per cwt., less 2½ per cent., as to quantity.

FORMALDEHYDE is steady, but there is a certain amount of competition: 40 per cent. by volume, £37 per ton, in casks, ex store.

FORMIC ACID is still very quiet: 85 per cent., in carboys, £46 to £46 12s. 6d. per ton, ex store.

ISOPROPYL ALCOHOL is meeting with the usual small spot business: 99 to 100 per cent., 10s. to 10s. 6d. per gallon, in drums, carriage paid.

OXALIC ACID has been very quiet; market keeps steady: quantities from £29 15s. to £30 per ton; cwt. lots, 33s.

POTASH CAUSTIC.—Convention prices continue unchanged, with the market still generally slow: 88 to 92 per cent. solid, spot, less than one ton, £36 15s.; one to five tons, £35 5s.; five to fifteen tons, £32 15s. per ton, in drums, ex store; 30s. per ton, less c.i.f. in all cases.

POTASSIUM CHLORATE remains very quiet: quantities to come forward are quoted at about 2⅞d. per lb., ex wharf; small spot parcels, about 3¼d.

POTASSIUM PERMANGANATE.—Commercial is dull at 5⅛d., in two-cwt. drums, ex store.

POTASSIUM PRUSSIATE has been receiving a little more inquiry: quantities from £63 10s. to £65 10s. per ton, in casks, ex store; single casks, 7d.; small parcels, 7½d.

SAL AMMONIAC is very quiet: dog-tooth crystals, £29; medium, £28; fine white crystals, £18 per ton, in casks, ex store; slightly less for contracts.

SODIUM ACETATE is slightly dearer, with spot quoted from £20 10s. per ton, in casks, ex store.

SODIUM CHLORATE remains slow: quantities to come forward, from 2¾d. per lb.; small spot parcels, from 3d. per lb., ex store.

SODIUM HYPOSULPHITE is unchanged, with the usual routine business: dealers quote pea crystals, in one-cwt. kegs, £15 to £15 2s. 6d.; commercial, £9 10s. per ton, in casks, ex store. British makers' price for pea crystals to home consumers on contract, £15 per ton, carriage paid to buyer's station.

SODIUM PRUSSIATE is steady, and there has been more inquiry: quantities from 4¾d.; small parcels, from 5d. per lb., ex store.

SULPHUR is in steady demand both for crude and refined. The former is quoted at £5 12s. 6d. to £5 17s. 6d. per ton. Sicilian flowers £12 7s. 6d., refined ground £11, and roll £9 15s. per ton c.i.f. to arrive.

COAL-TAR PRODUCTS, ETC.—Pitch is unchanged after a prolonged spell of declining values. Creosote oil for export is a shade easier. Other products are about unchanged, with not much business moving. ANILINE OIL is quoted at from 8d. per lb., packages extra, carriage paid, for quantities. ANILINE SALT is unchanged at 8d. per lb., packages extra, carriage paid, for quantities. BETANAPHTHOL is steady from 10d. per lb., carriage paid; big contracts might be slightly less. CARBOLIC ACID CRYSTALS are moving in fair quantities, with minimum five-ton lots of 39° to 40° C. ice crystals for export at 6½d. per lb., f.o.b., in drums with overcasks; crude 60's, about 2s. 2d. perg allon, naked at works. CRESYLIC ACID.—Business remains fair with good demand for all grades. CREOSOTE OIL is slightly cheaper for shipment as quoted at 7½d. per gallon, f.o.b. in bulk quantities; home trade, 6½d., ex works. NAPHTHALENE is very flat: imported flakes and balls, £16 5s. to £16 10s. per ton, in cases, ex wharf. METHYL ALCOHOL is moving in good-sized volume: spot, £45 per ton, in drums, ex store; much cheaper prices for quantities to come forward. PYRIDINE is nominal at 5s. per gallon, f.o.b. TOLUOL is steady and in fair demand: commercial 90's, 1s. 7½d. to 1s. 8d.; pure, 1s. 10d. to 1s. 10½d. per gallon, at works. XYLOL remains slow: commercial, about 1s. 7d.; pure, about 1s. 9d. per gallon, at works. PITCH is holding at last week's figure of 47s. per ton, f.o.b. East Coast.

Fixed Oils, etc.

SOME products in this section show a little recovery in values on quotation, but business generally remains quiet. Palm oils are steady. Linseed oil has been quiet, while turpentine remains dull. ACID OILS have been slow and prices are slightly cheaper: coconut and/or palm kernel, 38s.; ground nut, 31s.; soya, 28s. spot. CASTOR remains dull; quoted prices are unchanged: pharmaceutical, 50s.; first pressings, 45s.; second pressings, 42s. 6d. per cwt., in barrels, in not less than one-ton lots. COCONUT remains quiet but is steadier: deodorised, spot, 46s. 6d.; Ceylon, 43s. c.i.f.; Cochin, 54s. c.i.f. COTTON.—Quotations show a slight recovery, but the market is still dull: deodorised, 42s. 6d.; common edible, 40s. 6d.; soap-making, 38s. 6d.; crude, 35s. spot. GROUND NUT continues dull: deodorised, spot, 46s.; crude Oriental, 42s. c.i.f. PALM KERNEL is quiet but steadier: deodorised, 44s. 9d.; crude, 40s. 3d. spot. PALM.—Prices for all grades show a slight recovery, but the volume of business is still poor: Lagos, 34s. 6d.; softs, 34s.; mediums, 34s. 3d.; hards, 34s. 6d.; bleached, 36s. 9d. spot. RAPE is quiet, with values slightly higher on quotation: refined, 45s. 6d.; crude, 43s. 6d. spot. SOYA remains quiet and unsteady: deodorised, 39s.; crude, 36s. 6d. spot. LINSEED (raw, naked).—Prices for all positions have moved within a narrow margin on the week and close slightly better for near delivery; on spot, 29s., August, 28s.; September-December, 28s. 1½d.; January-April, 28s. 7½d.; May-August, 29s.. Boiled oil, spot, 32s. 3d. Hull, on spot, 28s.; August, 28s.; September-December 28s. 3d.; January-April, 28s. 6d. TURPENTINE showed further ease and a dull demand in spite of floods in America, curtailing receipts, which would point to some reduction in the stocks. Deliveries for last week here were 1,855 barrels, making a total since January of 67,625 barrels against 83,048 barrels for the same period last year. Stocks were returned at 22,281 barrels, compared with 31,584 barrels a year previous. Including the landings and the afloats, the total London visible supply made up at 35,126 barrels, against 39,934 barrels at the same date last year. London spot closed at 42s., and September-December 43s. per cwt. RESIN.—There is little alteration and only a little business is passing, but it is stated that stocks over here are small and that any increase in demand would probably lead to higher values. C.i.f. quotations were as follows: American "B" at 19s. 9d., D 19s. 10½d., E to K 20s. 1½d., M 20s. 3d., N 20s. 6d., WG 22s. 6d., WW 23s. 4½d. On the spot sellers at 9d. per cwt. more except "WW," which is scarce at 25s. 9d. WOOD.—Hankow, in barrels, on spot is quiet but steady at 73s. 6d. per cwt. spot; August-September shipment, 74s. 6d. c.i.f. OLIVE.—B.P. French is 6s. 9d.; edible, 7s. 3d.; Italian edible, 8s. 6d. per gallon, ex wharf.

LUBRICATING, MINERAL, BURNING OILS, ETC.—Slightly better markets are reported. Benzol and lubricating oils tend to firm up a little. BENZOL is very steady and tends to harden: crude 65's, 11½d.; standard motor, 1s. 4d.; pure, 1s. 9d. to 1s. 9½d. per gallon, ex works, in tank wagons. FUEL OIL continues steady: 950 gravity, £3 10s.; 890 gravity, £4 2s. 6d. per ton, ex tank; slightly cheaper forward. PARAFFIN WAX AND SCALE.—Wax is firmer at higher prices of 2⅞d. to 4½d. per lb., according to melting point, in bags. Scale is quoted for shipment at about £24 per ton, c.i.f. U.K. port. PARAFFIN OILS continue unchanged, as per last week's prices (p. 242). WHITE OILS unchanged. Special No. 1, £23 15s.; No. 1, £23 2s. 6d.; No. 3 half-white, £20 10s.; No. 4 half-white, £19 10s. per ton, drums and barrels free, ex wharf. SOLVENT NAPHTHAS.—Business has been fair: 90 to 160, 1s. 1d. to 1s. 1½d.; heavy 90 to 190, 1s. per gallon, naked at works. PETROLEUM JELLIES.—Prices are steadily maintained on a quiet market: white to snow-white, £39 to £48 10s.; amber and yellow, £18 10s. to £22: dark stiff green, £11 17s. 6d. per ton, barrels free, ex wharf. LUBRICATING OILS.—The spot position is very steady and shipment quotations continue firm at high rates: spot, pales, £9 15s. to £22; reds, £11 to £21 10s.; dark cylinders, £11 15s. to £28; filtered cylinders, £17 15s. to £28 per ton, less 2½ per cent., ex wharf; slightly less for tank lots. SOLUBLE OIL and CUTTING COMPOUNDS, £20 to £28 per ton net.

French Synthetic Camphor

ACCORDING to the journal "Le Capital," the Société Alsacienne de Produits Chimiques (which has just increased its capital from 25,000,000 to 50,000,000 francs) has recently acquired the world licence rights for the processes employed for the production of synthetic camphor. This company is at present in negotiation with some foreign groups for the cession of sublicences. Its expansion programme includes a new output at its plant at La Rochelle.

New Zealand Honey

AN Order-in-Council dated June 9, 1928, revokes the regulations of February 13, 1922, relating to the export of honey from New Zealand and substitutes new regulations which came into force on June 21. They provide that honey shall be specially graded and the containers clearly and indelibly branded with an approved and registered export brand, before it will be accepted for export. The full particulars may be seen by persons interested on application to the Department of Overseas Trade, 35 Old Queen Street, London, S.W.1.

Quinine Trust Inquiry

THE equity and criminal proceedings of the United States Government against the group of foreign houses and individuals connected with the sale in the United States of quinine and cinchona bark under conditions violating the laws of that country have been modified by the withdrawal of charges against certain individuals and companies which the U.S. government felt were in no way responsible for the acts which offended against the anti-trust and revenue laws of that country. Those against whom charges of all kinds have been withdrawn are the following: N. V. Nederlandsche Combinatie voor Chemische Industrie; Combinatie der Amsterdamsche; Bandoengsche Nederlandsche Kininefabrieken; Semarangsche Administratie Maatschappij, Vereeniging Van Kinabast Producenten, the Kina Bureau, J. Gerritzen, J. C. A. Everwijn, H. A. Van Overzee, W. F. van der Broek, G. W. Baron van Hoeckenen, W. Suermondt, J. W. L. van der Linden, and W. C. Loudon. All other individuals and business houses, associations, and the like named in the original in the civil proceedings still remain under charges. Consideration of the consent decree taken back to Holland by S. Van Velzen Camphuis and A. R. Van Linge, who came to the United States for consultation with the attorney-general and who sailed for home July 13, has been begun at Amsterdam. It is understood that a meeting was held in the week of July 23, at which Messrs. Camphuis and Van Linge undertook to interpret to their colleagues the document which they brought home with them and its relation to the laws of the United States. The Washington conferences were described and the friendly attitude of the Federal officers in charge of the court actions was stressed. Progress was made, but so far as the Dutch manufacturers are concerned, no definite action was taken at that time. It has been learned that all but the Dutch manufacturers have agreed to sign the consent decree, their interests in the quinine business in the United States being far less important and critical than are those of Dutch producers. From information in hand it is believed (says the "Oil, Paint and Drug Reporter") that by the middle of August definite action one way or another will have been taken by the Dutch houses and individuals concerned. The quinine seized by the Federal authorities is still held pending the ultimate outcome of the present discussions abroad.

Correspondence

Letters for this section should be written on one side of the paper only. Correspondents may adopt an assumed name for purposes of publication, but must in all cases furnish their real name and address to the Editor.

Solvency of the Drug Fund

SIR,—" Mensura " (*C. & D.*, August 18, p. 243) agrees with me that there is no evidence, in practice, that chemists desire to be paid in full, and concludes by saying " until this attitude is altered we shall never get any relief. . . ." Let me ask " Mensura " this question : If a trader owed him money and showed not the slightest desire to pay, would he take steps to make him—providing, of course, he had assets? The point is to get your money, and if the means suggested by the writer of " Payment in full " (*C. & D.*, July 14, p. 44) would ensure that end, why not back him up? As long as we get payment in full, what on earth does it matter through whose instrumentality we get it—the Government's or the chemists'? . . . . " Mensura " asks another curious question. He says " If we got so far as to lend or give away medicine glasses, could we compel the patient to use them? " I think that the patient would have no option, as he would be instructed to take so many drachms from a plain bottle and would have no guide whatever except by means of a measuring glass. I am quite satisfied with the system of returning cash for bottles. I get very few back, and do not even now get paid in full. Even if I got all back, and were paid in full, there would be an ample balance even if I paid for their washing. I always rebuy my " own proprietary " bottles. Again, " Mensura " says : " Even if the whole system does end in ' bunk ' there is no reason why chemists should voluntarily saddle themselves with the burden of financing it." Chemists have had the burden of financing it thrust upon them. . . . " Diogenes " (*C. & D.*, August 18, p. 243) is quite wrong in assuming that I think the practice of medicine either an art or science. It is based on more or less intelligent guesswork, with not too much exhibition of intelligence. . . . —Yours, etc.,

GEORGE F. CORRALL.

Enfield.

Assistants' Difficulties

SIR,—Referring to the correspondence in the *C. & D.* (August 18, p. 243) with respect to references, I trust you will give space to the complaints of employees against bad and dishonest employers. In the course of twenty years I have suffered a lot from such men who refuse to stamp your National Health Insurance card and refuse to pay your salary if you are ill. We, as employees, are helpless in matters like this. When we change we never know what is in store for us. But in my case the *C. & D.* has given me valuable information and saved me £20 during the last two years. There have been men who would not pay until chapter and verse was shown them in the *C. & D. Diary*. We want some system to help good assistants to get good jobs.—Yours truly,

FAIR PLAY (18/8).

Chemists in Limited Companies

SIR,—Mr. Pattrick, in his letter on " Apprentices and Limited Companies " (*C. & D.*, August 18, p. 243), says that it would be regrettable if a private limited company should come to be regarded as an inferior organisation. There is no doubt that the formation of a limited company provides an excellent way of conducting business on sound lines, and when the directors of the company are themselves qualified chemists, the system is as good in pharmacy as it is in any other kind of business. But unfortunately the admission of company trading affords an opening for a position which was never intended when the company clause was first introduced, and one which really goes behind the spirit of the pharmacy laws. It is quite possible for a limited company to be formed and registered with a majority of directors on the board composed of persons who have had no training or experience in pharmacy at all, and therefore such persons would have the controlling interest in the business. However experienced such persons may be in ordinary busines matters it is clear that under the original intention of the Pharmacy Acts they are supposed not to be competent to run an open shop, and yet the registered superintendent might be in a minority in the case of a difference of opinion as to any course of action. If the " unqualified " directors were content to leave the details of the shop routine to the man whose duty it is to superintend it there would be nothing to complain of, but it is quite possible there are cases where this is not so, and in which to all intents and purposes the qualified man simply has to take his orders from those with a larger financial interest. This also applies with greater force in multiple shop concerns; the managers have their orders sent to them by circular letters and have to follow their instructions.

Faithfully yours,

LIMITANS (18/8).

Subscriber's Symposium

For interchange of opinion among " C. & D." readers and brief notes on business and practical topics

Dog Fat

F. X. F. (30/7) asks what is generally supplied as " dog fat."

" Ad Libitum "

I consider it my duty to inform retail chemists of the not improbable visit of a young man who may demand a second-sized bottle of chlorodyne, and, on paying for it, will politely request a glass of water, and proceed to pour out " ad libitum " a portion of the contents of the bottle with the assurance that he could with impunity take a quarter of a bottleful for a dose.—*Safety First* (2/8).

Misunderstood Pharmacists

The excerpt from the " Manchester City News " (*C. & D.*, August 11, p. 177) shows how the position of the pharmacist appears to the outsider and how it can be misunderstood by anyone who has not a knowledge of the real facts. Mr. Kirkby's reply should have brought a truer understanding to the readers of the paper, and a few more such letters to local papers if they misrepresent the chemists' duties would possibly bring us more respect from the public.—*Excerpt* (14/8).

The Latin for " Fenugreek "

The Index Kewensis has decided that the botanical name of the fenugreek plant is *Trigonella Fœnum-græcum*. The authors of " Pharmacographia," which appeared several years earlier than the Index, spelt the name similarly but without the hyphen, and headed their monograph " Semen Fœni Græci." The Oxford English Dictionary, which might have been expected to follow the Index Kewensis, has printed *Trigonella Fœnum Græcum*. The British Pharmaceutical Codex, 1923, gives the Index spelling for the plant, but has the heading " Fœnum-Græci Semina," apparently regarding half of the first word as declinable and half as indeclinable.—*A. E.* (17/8).

Orders from Staffs

It is satisfactory to note that the P.A.T.A. have taken notice of the system of inside trading adopted by the staffs of many big offices and firms. If this system was pushed to the extreme there is no reason why any number of persons should not combine to buy direct, such, for example, as half a dozen or so families living in the same street, and there would be no reason for shops at all. In several instances I have been presented with wholesale drug bottles and have been asked to refill them at a stated price, generally about 10 per cent. above wholesale list prices. To such customers I invariably reply that I conduct a retail business, and that if they are in the trade they must get their supplies from their usual source or pay the retail price.—*Brandem* (8/8).

Legal Queries

G. W. S. (18/7).—The inclusion of the word "rheumatism" on the label renders the preparation liable to medicine-stamp duty.

P. N. T. (24/7).—Cachets each containing ac. acetylsal. gr. vj.; phenazon. gr. iij.; pulv. ipecac. co. gr. iv. come within the Dangerous Drugs Acts, since the percentage of morphine amounts to approximately 0.3.

F. H. (10/8) is the landlord of house and shop premises that were let at a rent of £80 a year in August, 1914, and after being empty for over a year during the war were let in 1917 at a rent of £65 a year. Which is the "standard" rent for the purpose of arriving at the amount by which it is permissible to increase the rent? [The standard rent is the rent at which the premises were let on August 3, 1914, i.e., £80.]

Miscellaneous Inquiries

When samples are sent particulars should be supplied to us as to their origin, what they are, what they are used for and how. We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas for them.

T. W. (18/7).—LAVATORY BOWL CLEANING POWDER.—A suitable preparation for use as a lavatory bowl cleaning powder may be made by mixing powdered soap, ½ lb., with pearl ash, in powder, 2 lb., to which an antiseptic may be added if deemed desirable.

G. W. G. (South Africa) (24/78).—GLUE FROM SOYA BEANS.—The beans or bean-cake should be soaked in water until a pulpy mass is obtained. Four to six parts of water are then added and the whole boiled for fifteen or twenty minutes. The fluid portion is then removed by straining, and from the liquid any fatty constituents or acids are removed by any of the usual methods. The liquid is then curdled, the dried curd forming the basis of the adhesive, which is prepared by adding two to three parts of hydrated lime and one part of sodium fluoride to ten parts of extracted substance, with sufficient water to make a solution of the desired consistency.

A. F. (13/88).—PRESCRIPTION CHARGE.—According to the *C. & D.* Costing System, the charge for the recipe is as follows:—

	Parts	Oz.	d.
Quin. sulph.	0.67	0.0536	... 4.0
Ac. phosph. dil.	24.60	1.968	... 4.0
Ac. sulph. dil.	2.50	0.200	... 1.0
Alcohol.	1.00	0.08	... 3.0
Aq.	ad 100.00	8.00	... 3.0
		Container	2.0
		Oncost	... 8.0
			25.0

Charge 2s. 1d.

Whoever charged 6d. for the above evidently fixed the price by guessing.

C. A. S. (13/78).—(1) CEMENT FOR SHAVING BRUSH HANDLES.—This can be made with glue and rendered insoluble with bichromate of potash. Another formula is:—Gutta percha 3 parts, asphaltum 1 part. These are kneaded while hot into a paste.—(2) HAIR DARKENING CREAM.—This can be prepared by adding water soluble dye (1 per cent. of nigrosine) to the ordinary tragacanth hair cream.

H. S. (20/88).—ROBERTS' ALBUMIN TEST.—This is as follows:—

Nitric acid	1 part
Solution of magnesium sulphate (10 in 13) ...	4 parts

Slope the tube containing a little test solution and allow the urine slowly to run down into it by means of a dropper. Ammonium nitrate may be used instead of magnesium sulphate.

No. 1,711 (16/78).—SIZE FOR CANVAS.—

Pale glue	2½ oz.
Curd soap	2 oz.
Boiling water	35 oz.

Dissolve and add alum 1 oz.

J. B. C. (20/8).—The children's cough mixture to which you refer is P.F. 210 and was registered in the *C. & D. Diary*, 1925.

Shake (Siam).—CRYSTALLINE BRILLIANTINE.—The old-fashioned crystalline brilliantines were made with spermaceti. For standing up to a temperature of 84°-98° C. the following is satisfactory:—

Cetacei	℥j.
Cer. alb.	℥ij.
Ol. ricini	℥iij.
Ol. amygd.	℥iss.

Perfume can be added as desired, the following being a suitable eau de Cologne mixture for the above quantity:—

Ol. bergamot.	♏xxv.
Ol. limonis	♏v.
Ol. neroli	♏v.
Ol. rosmarini	♏iij.
Ol. thymi	♏j.

If this does not withstand the temperature, increase the spermaceti, as the wax tends to destroy the crystalline nature and would be left out in temperate climes.

G. T. (14/88).—ESTIMATION OF SULPHUR DIOXIDE IN DRIED FRUITS.—This is not a difficult matter, the pulped fruit being macerated in recently boiled and cooled distilled water and an aliquot part of the solution filtered therefrom being taken for quantitative determination of SO_2. Decinormal iodine solution would be the best means of rough assay. Each c.c. of *N*/10 iodine solution is equivalent to 0.003203 gm. of SO_2; or very approximately 20 c.c. of decinormal iodine solution will be decolorised for each *grain* (of SO_2) present per lb. of preserved fruit. The practical determination of sulphur dioxide in preserved foods will call for considerable care and analytical skill in preventing oxidation by atmospheric or dissolved oxygen. Furthermore, it must be emphasised (*C. & D. Diary*, 1927, p. 260) that the methods of estimating permissible preservatives is to be "prescribed" by the Ministry of Health.

Retrospect of Fifty Years Ago

Reprinted from "The Chemist and Druggist," August 15, 1878

Anglo-Turkish Convention

If Great Britain should secure the reform of the administration of Asiatic Turkey, the drug trade will surely be affected for the better by the change. The present state of the country makes it almost impossible for the European to conduct any profitable business there. . . . Among the drugs which will be more immediately affected by any change in the government of Asiatic Turkey are the following: Scammony is produced only in that country. The gum has been so persistently adulterated in former years that its export and production have very largely decreased. The roots are taking its place in commerce. The Turkish Government in many places forbade its exportation at first, but our Consul at Smyrna reported in 1876 that the prohibition had been removed, that the crop was rapidly diminishing, and that if the destruction of the plant was not speedily checked, the article would disappear from commerce. The price at Smyrna in that year was 50s. a pound; the freight to England cost £4 to £6 per ton measurement. . . . The trade in galls, once very important, has been much injured by the introduction of valonea and other cheap tanning and dyeing agents into commerce. . . . One feature of the trade in opium is in much need of alteration. The peasant producers are almost always in debt to the merchants who buy the opium of them. The price of the drug is fixed yearly at a meeting of the merchants and producers, held after the crop has been collected. . . . Liquid storax, though little used in England, is exported in considerable quantities to China, India, and other Asiatic countries. It is collected in the south-west of Asia Minor by a wandering tribe of Turcomans, the Yuruks. . . . Tragacanth is collected by hand, the finer sorts being produced from incision, while "sorts" and "seconds" exude naturally. The collection is in the hands of the peasants, and the rough article is sorted by the Spanish Jews. . . . Saffron is grown in Asia Minor, but here, as elsewhere, its use and production are decreasing. Besides these the following drugs are exported in larger or smaller quantities: liquorice, olives, almonds, castor oil seeds, beeswax, colocynth, aniseed, cumin, otto of roses, sponges, yellow berries, madder, and orpiment.

THE CHEMIST AND DRUGGIST

COMMERCIAL COMPENDIUM

deals with the trade side of pharmacy

[Commenced *C. & D.*, July 5, 1924]

Per Pro.—This is one of the abbreviated forms of the words "per procuration," meaning "by the agency (of)." Other forms of the same expression in common commercial use are "p.p." and "per proc." A procuration (*q.v.*) is an agency, and per pro. before a signature shows that it is made on behalf of someone else. A bill of exchange may be drawn, accepted or endorsed by procuration, and this gives notice that the person who signs in this way has only a limited authority. The principal is bound by a per pro. signature only if his agent in so signing was acting within the scope of his authority. An agent signing per pro. is not personally liable in the ordinary way.

Perry.—A beverage prepared by fermentation from the juice of pears. The earliest record of the word occurs about the year 1315. For conditions of sale, *See* Cider.

Person.—For many legal purposes, the term person includes a company or other corporation.

Personal Property, or Personalty.—Under the heading of personal property fall practically all kinds of property other than freehold lands and houses, which are known as real property or realty (*q.v.*). The expression personal property therefore covers, in addition to goods and chattels, such things as stocks, shares, bills of exchange, debts, actionable claims, debentures, patents, copyright, policies of insurance and leasehold interests in land and houses.

Personal Representatives.—The executors or administrators of a deceased person are known as his or her personal representatives.

Personation.—Personation is the offence of falsely pretending to be some person for an illegal purpose. Statutory provision is made for the punishment of many special forms of this crime.

Peru, Balsam of.—This drug is not a product of Peru, but of the Balsam Coast of San Salvador in Central America. It derives its name "Balsam of Peru" from the fact that it was originally shipped from Acajutla in San Salvador to Callao, the port of Lima, in Peru, whence it was shipped to Spain. It is obtained from the bark of a large forest tree, *Myroxylon Pereirae*, Klotsch (N.O. Leguminoseæ). The Balsam Coast lies between 30°-35° and 14°-10° N. lat., and 89°-40° W. long. The trees grow in dense forests; when in groups they are sometimes enclosed, and in other cases only marked, but each have their distinct owners. They are occasionally rented for a term of years. The balsam is not a natural product, but a secretion developed after injury. After the last rains in November and December the trunks are beaten with a hammer or the back of an axe, on four sides, in alternate strips. Five or six days after the beating, lighted torches are used to scorch the injured bark. A week later the bark drops or is taken off and the stem commences to exude the balsam. This is collected by covering the bare spots with rags. When these are saturated they are collected, gently boiled and stirred, when the balsam sinks to the bottom of the vessel. When the water has cooled and is drawn off, the balsam is poured into gourds. It is exported in tin canisters holding about 27 kilos. each. These are conveyed on mules to Acajutla and Belize and thence shipped to Europe. An inferior quality is prepared by boiling the bark in water. The balsam obtained from the rags is called Balsamo de trapo, and that from the bark "Balsamo de cascara." A substance known at San Salvador as "Balsamo blanco" is a soft resin, contained in large ducts in the legumes of *Myroxylon Pereirae*, but it is not prepared for the market. (An excellent illustrated account of the Balsam of Peru tree and its products is given in the *C. & D.* of April 20, 1901, pp. 638-642). Balsam of Peru forms a black, treacly-looking liquid, but is less viscid. In a thin layer it is seen to be perfectly transparent and of a deep orange-brown colour. It has a somewhat smoky balsamic odour, and leaves a burning sensation in the fauces when tasted. It has a sp. gr. of 1.15 to 1.16. It is soluble in castor oil, but only to a small extent, in dilute alcohol or essential or fatty oils, and mixes readily with absolute alcohol or chloroform, but is insoluble in petroleum ether. The balsam consists of a fluid portion known as cinnamein, which forms about 56 to 66 per cent. of the drug, and consists of benzyl benzoate and benzyl cinnamate, usually in the proportion of about three of the former to two of the latter. These are colourless and crystalline aromatic substances which liquefy when heated. The balsam also contains about 28 per cent. of a resinous body containing peruresinotannol combined with cinnamic and a little benzoic acid. It also contains peruviol or nerolidol, which has a sweet odour and taste; and traces of vanillin. Although very liable to adulteration on account of its high price, its high sp. gravity would be lowered by such admixtures as copaiba, gurjun balsam and fixed oils. One of the recent adulterants, di-methyl-phthalate, may be detected by heating one drop of the balsam with 0.1 per cent. of resorcin and ten drops of sulphuric acid to the boiling point and cooling, when fluorescence is developed, which shows readily in an alkaline solution. Recently a factitious substitute called perugen has been made by mixing synthetically prepared benzyl benzoate with storax, benzoin and balsam of Tolu. A kind of "Peruvian balsam" has been found in Surinam, having the characteristic odour of balsam of Peru, but it is different in consistence and in colour, and the percentage of cinnamein is lower than in genuine balsam of Peru. In Brazil a much-esteemed balsam is obtained from the caboreiba tree (*Myrocarpus frondosus*, Allem) by incising the trunk and absorbing the exudation by cotton wool. A fragrant balsamic resin is also obtained in Brazil from *Myroxylon peruiferum*, Linn. It resembles balsam of Tolu, but is of a deep red colour and harder. It does not show crystals when pressed between two slips of glass. Occasionally bark has been imported into this country and used in pastilles or incense under the name of balsam of peru bark, and apparently came from Brazil. It may possibly have been the bark of *Myrocarpus frondosus*, but its source was not stated. Balsam of Peru is used externally as a parasiticide and antiseptic, internally as an expectorant and antiseptic. As regards the commerce of the drug, it is estimated that 80 per cent. is purchased by the United States, 15 per cent. by Germany, and the remainder by France and Great Britain. Four samples of apparent authenticity, which were examined by Dr. Preuss, had the following characters :—

—	Specific gravity	Cinnamein	Ester No. of Cinnamein	Resin
		Per cent.		Per cent.
1 ..	—	61	240	20
2 ..	1.1404	64.7	260	18.1
3 ..	1.1408	66	260	16.8
4 ..	1.1612	50.8	249.8	28.4

Three absolutely authentic samples from Honduras were fully investigated and reported on by Dieterich as follows :

——	(1)	(2)	(3)
Acid value	77.46	76.92	77.34
Ester value	165.61	137.42	137.67
Saponification value	243.07	214.34	215.01
Cinnamein, etc. ..	71.47%	77.56%	73.63%
Resin esters	15.7 %	13.18%	17.32%
Insoluble in ether ..	4.38%	4.31%	3.57%

The refractive index of the pure balsam lies between 1.5800 and 1.5855 at 20°. To detect the presence of artificial Peru balsam an ethereal solution should be gently poured on to the surface of a small quantity of concentrated sulphuric acid, and a little hydrochloric acid then

cautiously added. In the presence of artificial balsam a lower red ring appears at the junction of the liquid, and an upper green ring, neither of which are present in the case of natural balsam.

Peruvian Bark.—*See* Cinchona.

Pessaries.—Medicated pessaries for vaginal application are made by mixing or dissolving a prescribed weight of medicament with a related weight of melted cocoa butter, glyco-gelatin or other diluent, and pouring into moulds which yield ovoid, bullet-shaped or similar masses. Machinery is also obtainable for moulding, after mixing the ingredients, by pressure without heat. In this country the average weight of a pessary is 120 gr.; the U.S.P. X directs that "vaginal suppositories" should weigh "about 10 gm. if made with glycerinated gelatin, and about 4 gm. if made with oil of theobroma." Pessaries of some kind were prescribed by Dioscorides (79 A.D.). In 1848 Sir James Young Simpson published details of pessaries orderd by him, and in 1850 cocoa butter was suggested as a basis. The British Pharmacopœia, 1864, had formulas for two kinds of suppositories (*q.v.*), which were coated with a mixture of melted wax and lard. Pessaries have not yet been introduced into the Pharmacopœia, but the British Pharmaceutical Codex gives sixteen kinds. A discussion of the practical problems associated with the making of pessaries, suppositories and bougies will be found in "The Art of Dispensing" (pp. 201-230). The name "pessary" or "check pessary" is also given to an indiarubber appliance used as a contraceptive.

Petrolatum.—The United States Pharmacopœia, X, has the heading "Petrolatum," with the English equivalents "amber petrolatum" and "petroleum jelly" for a purified, semi-solid mixture of hydro-carbons corresponding to, though not entirely identical with, the paraffinum molle of the British Pharmacopœia. In addition, petrolatum album and petrolatum liquidum (which is translated as "liquid paraffin, white mineral oil, paraffin oil") are given in the text of the U.S.P. X. Under the name *Petroxolinum Liquidum* (synonym, petrolatum saponatum liquidum), the N.F., V, has a mixture of light liquid petrolatum (conforming to the U.S.P. viscosity test), oleic acid, strong solution of ammonia, oil of lavender and alcohol (95 per cent.); this is used as a basis for "medicated petroxolins" containing such active ingredients as camphorated chloroform, eucalyptol or iodine.

Petroleum (oleum petræ, rock oil, coal oil, mineral oil, liquid bitumen) is a native mixture of hydrocarbons, known from the earliest times and widely distributed over the earth. The sources, in order of importance, are: United States, Russia, Mexico, Dutch East Indies, Rumania, India. It occurs as a clear or turbid liquid varying in colour from yellowish-green to dark green, appearing red by transmitted light, and varying in consistence from a mobile liquid to a thick fluid, s.g. 0.800-1.100. It commences to boil at 90° C., and burns with a smoky flame. Exposed to air it slowly thickens; it is easily soluble in absolute alcohol, ether, oils, insoluble in water, soluble with difficulty in dilute alcohol; in taste acrid. Petroleum varies in composition. The petroleums of North America differ greatly in physical properties, but in general consist of hydrocarbons of the paraffin or methane series. (C_nH_{2n+2}), and the hydrocarbons present vary in character and quantity in different localities. Most of the wells are pumped, but sometimes the oil is blown to the surface by a blast of air. At the surface the oil is run into wooden tanks of 100-500 barrels capacity, pumped by 8-in. pipe lines to field storage tanks, and thence to refineries. Very little crude petroleum is used except as fuel, and even then light oils up to 10 per cent. are distilled off. Petroleum is distilled in horizontal cylindrical stills, and difference in boiling points of the component fractions constitutes a guide to separation. The stills are heated by residual oil or low-grade fuel oil, and are brought to the temperature at which gasoline distils off, steam is blown through the still, and by this means a greater amount of water-white kerosene is obtained. Heavier liquids which condense in the towers are shunted into other stills, and with this arrangement crude oil can be run to coke in the original still. Steam is used also to aid distillation. It is the practice to separate the gasoline portion referred to as "crude naphtha," then "burning oil distillate," "300 oil," "gas oil," and the usual grades of lubricating oils. If the oil furnishes paraffin wax, this is found in the wax distillates and separated.

TREATMENT OF FRACTIONS.—Crude naphtha is treated with sulphuric acid, "sweetened" with caustic soda and steam re-distilled. Gasoline must distil off under 437° F. Residual oil in the still is called "naphtha still bottom," which is piped to the "crude burning oil distillate," treated as for naphtha, and made ready for market as kerosene. Still bottoms from this distillation are returned to crude stills or turned into the gas oil tank. Crude lubricating oil is generally furnished to a specification. The last oils to distil over from the crude still contain the paraffin wax. These are chilled and the paraffin wax filtered off. The crude wax is remelted, run into shallow trays containing pebbles, and chilled. The temperature is gradually raised and portions fractionally melted and run off. The oil is treated with sulphuric acid, "sweetened" with caustic soda, or purified by filtering through fuller's earth or activated charcoal. Improved treatment of wax oil consists in cooling the oil with brine solution and separating the wax with super-centrifuges at 40,000 revolutions a minute. A tendency of changes in the refining of petroleum is the continuous treatment of oils with sulphuric acid, the use of filtration through clay, charcoal, silica ge,l and the use of the centrifuge. Asphaltic varieties of crude petroleum yield asphalt as residuum, this being used for road-making. The names of the commercial products from petroleum vary. There is a large variety of low-boiling fractions from American crude oils, and the composition, b.p. and s.g. change owing to the cracking processes in operation. Solvents are generally produced to some specification. *Gasoline*, used for internal combustion engines, varies widely in quality and character according to the purpose. "*Casing head gasoline*" is extracted from the natural gas from the oil wells by compressing the gas. By the Saybolt process it is obtained by passing through scrubbers containing porous material over which an oil, intermediate between kerosene and gas oil, flows, known as "mineral seal." Extraction by charcoal and silica gel is also used. The practice of grading gasoline by gravity has been superseded in the U.S.A. by distillation tests. *Kerosene* or *burning oil* has changed very little in character in the last few years. It is graded by U.S.A. exporters by colour and fire tests. The colour standards adopted are pale yellow (standard white), straw (prime white), and colourless (water-white). The fire tests are at 110° F. (exported to Europe, China, Japan) 120° F. (exported to England), and 150° F. *Lubricating oils* change only slightly in character. There is a tendency to decrease the amount of animal and vegetable oils, and the use of greases (emulsions of solid oils with soaps of fatty acids) is increasing. Graphite as a lubricant of the "oil dag" type is used increasingly. Oil dag is made by suspending pure artificial graphite with oil and 0.3 per cent. is added in automobile lubricants. Petroleum is a local stimulant and parasiticide, and is used in the East in psoriasis, pruritis, scabies and chilblains. It is used also in soaps. Dose, internally, 5-30 minims in capsules, or up to 1 fl. dr. as a stimulating antispasmodic, expectorant and diaphoretic. (*See also* Benzine, Benzin and Benzoline; Flash point; Ligroin; Naphtha, Mineral.)

Petty Sessions.—A meeting of two or more justices of the peace for the trial of minor offences in a summary way without a jury is called a petty sessions. In cities and large towns there is, as a rule, a stipendiary magistrate, who is authorised to sit alone as a petty sessional court. From a decision at petty sessions there is a right of appeal on a point of law or of fact to quarter sessions. Alternatively, on a point of law only, the magistrates may state a case for the opinion of the High Court.

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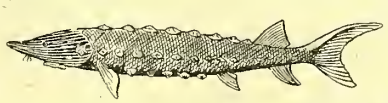
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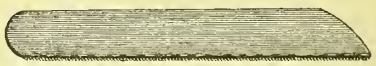

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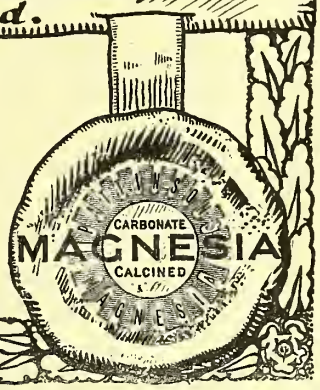

Hubbuck's Pure Oxide of Zinc

is made by sublimation, and is warranted to contain upwards of

99·9 PER CENT.

of pure oxide; in fact, the impurities are not traceable.

Thos. Hubbuck & Son, Ltd.

ESTABLISHED 1765

24 Lime Street, London, E.C.3

MANUFACTURERS OF WHITE LEAD, WHITE ZINC, PAINT, OILS, COLOURS, VARNISHES, &c.

Australian Office: 34 Queen Street, Melbourne.

Sold by the following Wholesale Druggists in Boxes of 7 lb. and 14 lb. stamped by the Manufacturers; also in 1-lb. Boxes and 1-lb. Glass Bottles:

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Ayrton, Saunders & Co. Ltd.
Bell, Jno., & Co.
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Butler & Crispe Ltd.
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May, Roberts & Co. Ltd.
Oldfield, Pattinson & Co.
Pinkerton, Gibson & Co.
Potter & Clarke Ltd.
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Raimes & Co.
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Silversides, R. B. G.
Smith, T. & H. Ltd.
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Thompson, John, Ltd.
Wilkinson & Simpson Ltd.
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ASPIRIN B.P.
Granular, Crystalline or Powder. Impalpable Powder.

ASPIRIN TABLETS
Supplied in bulk only. Guaranteed full strength and free from all impurities.

SALICYLIC ACID B.P.
Passes all tests.

ALL FINEST QUALITY PRODUCTS.
COMPETITIVE PRICES.
FREE PACKAGES AND DELIVERY.
A POSTCARD WILL BRING SAMPLES AND PRICES

PIERSON, MORRELL & CO., LTD.
THE ORIGINAL BRITISH ASPIRIN MAKERS,
'Phone No.: Barnet 0723. **100 QUEEN'S ROAD, BARNET.** *Telegrams and Cables:* "Pierson Morrell, Barnet."

The Wholesale PILL AND TABLET HOUSE

Buy from Specialists. Quality is our first concern.
PRICES VERY MODERATE.
Contracts for any quantity. Quotations gladly given.

HOWARD LLOYD & CO., LTD., LEICESTER

LOZENGES
PASTILLES
LIQUORICE & MENTHOL
Glossettes REGD
Compressed Tablets

PACKED OR IN BULK, FOR WHOLESALE, — RETAIL AND EXPORT TRADES. —

ERNEST JACKSON & Co., Ltd.
London Office: Plantain Place, Crosby Row, Boro', S.E.1
Works: CREDITON, Devon.
'Phones: Hop 2668 and Crediton 10.

Tablets
Enquiries are invited for
ASPIRIN AND CASCARA TABLETS
IN BULK OR PACKED.

A Customer writes:—"Re Aspirin Tablets. Your sample was one of the best we have ever had, we anticipate doing good business with you if you can maintain that quality."—WE CAN, AND MEAN TO!!

LET US QUOTE YOU.

CASTLE HUSKISSON, LTD.
Manufacturing Chemists,
Swinton Works, Moon St., Islington, N.1
ESTAB. 1768.
Private formulæ Pills and Tablets carefully and accurately prepared at lowest possible prices.

Pills

BARONE AMARELLI

Guaranteed Pure

CALABRIAN LIQUORICE JUICE

In 1 oz., 2 oz., 4 oz. Sticks, or 5 lbs., 10 lbs., etc., blocks.

Sole Agents for Great Britain and Ireland :

WHEELER & HUISKING, LTD.

26 Great Tower Street,

LONDON, E.C.3

Telephone : **ROYAL** 2777 2778 2652

YOU MAY WANT TO

Buy a Business, Sell a Business, Secure an Agency, Engage an Assistant, Procure a Situation, or Sell Odd Lots of Chemists' Requisites

If so, you can do it quickly and satisfactorily by an advertisement in

THE CHEMIST & DRUGGIST SUPPLEMENT

This is the Tariff:

Businesses Wanted and for Disposal, Premises to Let, Goods for Sale, and Agencies; 6/- for **50** words; every additional **10** words or less, **6d.**

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EXCHANGE COLUMN (for Retailers, etc.). **Twopence** per word, minimum **2/-**

BOX NUMBER.

In each case replies may be addressed to a registered number or nom-de-plume, c/o this Office, **at a charge of 1/- extra** for each advertisement.

Address all communications to
THE PUBLISHER, THE CHEMIST AND DRUGGIST, 42 Cannon Street, London, E.C. 4

Telegrams: "Chemicus, Cannon, London" (2 words)
Telephone: Central 3617 (3 lines)

THE ANGLO-FRENCH DRUG CO. LTD.

Distributing Agents for High-Class French Pharmaceutical Preparations.

Continuous and active propaganda is being conducted with the Medical Profession for:

STANNOXYL

N.H.I.—In addition to the original tubes of 80 tablets, packages containing 24 tablets for the dispensing of N.H.I. prescriptions are now available.

STANNOXYL (Brand) PRODUCTS.

	Retail.	Wholesale.
TABLETS (tubes of 80) ..	3/- each	28/- per dozen
,, (N.H.I. packages of 24)	—	9/- ,,
LIQUID (bottle)	4/- ,,	36/- ,,
GLYCERINE (bottle)	4/- ,,	36/- ,,
OINTMENT (tube)	3/- ,,	28/- ,,
AMPOULES (box of 8)	5/- ,,	45/- ,,

238a GRAY'S INN ROAD, LONDON, W.C.1

Telephone: MUSEUM 4029. Telegrams: AMPSALVAS, LONDON.

Associated Houses: **Paris, New York, Montreal, Bombay, Sydney, Wellington, Tokyo.**

"Thilocologne"

"DR. THILO" (Name registered)

Ethyl Chloride Cum Eau de Cologne

Has Caught On.

Observe Thilo's New Syphon Bottle.

Absolute Chemical Purity.
Competitive Prices.

Observe Thilo's New Drop Nozzle for General Anæsthesia.

Now used extensively by
DENTISTS.
HOSPITALS. GENERAL PRACTITIONERS.

Ask for prices and free sample tube for demonstration.

W. BREDT, 41 Gt. Tower St., London, E.C.3
(Sole Concessionnaire for the U.K. and Ireland).

LEVER'S GLYCERINE

Best for all pharmaceutical and industrial purposes

Our chemically pure glycerine is guaranteed to comply with all the requirements of the Food and Drugs Act and the British Pharmacopœia.

LEVER BROTHERS LIMITED
Glycerine Dept., 46, Chancery Lane, London, W.C.2
LG 9-200A

WESSANEN'S PURE COCOA POWDER PRIME COCOA BUTTER

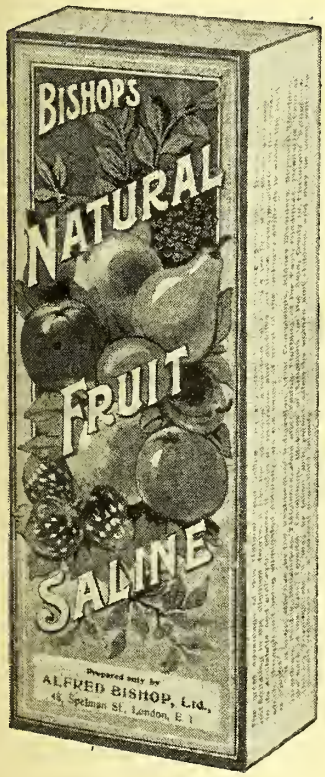
Sales Office:
12 Broom Lane, Broughton Park,
MANCHESTER.

ALFRED BISHOP, LIMITED

Manufacturing Chemists

BISHOP'S

Natural Fruit Saline



THIS ILLUSTRATION —which is coloured in actual package—represents a Saline which we have introduced as "BISHOP'S NATURAL FRUIT SALINE." It contains no sugar or saccharine, is manufactured in small granules, has a pleasant taste and keeps well under any climatic conditions. It meets the demand for a sugarless saline either as a medicine or as a cooling beverage.

STOPPERED BOTTLES.

1/3 & 2/3
P.A.T.A.

10/- & 19/-
DOZ. SUBJECT.

Aspirin Tablets

"Alfred Bishop" Brand.

25 Tabs. in Bottle	..	5/4 Doz.
50 " " "	..	9/- "
100 " " "	..	14/4 "

Bonus of 2 Bottles per doz. on 6 doz.

Pharmaceutical Chemicals

"Alfred Bishop" Brand.

ASPIRIN, BISMUTH SALTS, BROMIDES, CITRIC ACID, IODIDES, LITHIA SALTS, LITMOPYRINE, MAGNESIA, PIPERAZINE CITRATE, TARTARIC ACID, &c., &c. *Ask us for a complete List.*

48 SPELMAN ST.
LONDON, E.1

PHONE: BISHOPSGATE 2331

WIRES: "HEADACHE, EDO, LONDON."

TRADE MARK
The Sign of SCIENTIFIC EXCELLENCE

BAYER PRODUCTS LTD. BAYER LONDON

PHARMACEUTICAL PRODUCTS

issued under the following Trade Marks or Brands in Original Packings as under:

'COMPRAL'
7½ gr. (0·5 gm.) tablets in tubes of 10.

'HEXETON'
Intramuscular:—Brown ampoules (2·2 c.c. of a 10% solution). Intravenous:—Blue ampoules (1·2 c.c. of a 1% solution).

'NOVALGIN'
Bottles of ½-1 oz. Tablets, 7½ gr., tubes of 10.

'ADALIN'
Cartons, ½-1 oz. Tablets, 5 gr., bottles of 25 and 100; 7½ gr., tubes of 10.

'NOVASUROL'
Boxes of 10 ampoules, 1·2 c.c. each.

'PYRAMIDON'
Cartons ½-1 oz. Tablets, 1½ and 5 gr.

'VALYL'
In bottles of 25 pearls.

'PHANODORM'
3 gr. tablets, tubes of 10.

'PELLIDOL OINTMENT'
In tubes.

'THEOMINAL'
Tablets in tubes of 20 and bottles of 50.

'LUMINAL' and 'LUMINAL' SODIUM
Cartons and bottles of ½-1 oz. Tablets, ¼ to 5 grs.

'ORTIZON'
In bottles of 75 globules.

PRICE LIST ON REQUEST FROM

BAYER PRODUCTS Ltd., 19 St. Dunstan's Hill, London, E.C.3

TESTOGAN
FOR MEN.

THELYGAN
FOR WOMEN.

A Proven Efficient Remedy
(Formula of Dr. Iwan Bloch)
INDICATED IN
Impotence and Insufficiency of the Hormones.

CAVODENT TOOTH PASTE
Made with Milk of Magnesia.

BISMOLAN SUPPOSITORIES AND OINTMENT. For the Treatment of Hæmorrhoids.

ATOCIN TABLETS for Rheumatism, Gout, etc.

For literature and other information apply to
CAVENDISH CHEMICAL CORPORATION,
137 REGENT STREET, LONDON, W.1.

Dr. BENGUE'S BALSAM
RHEUMATISM, NEURALGIA, GOUT.

Dr. BENGUÉ'S ETHYL CHLORIDE.
Dr. BENGUÉ'S DRAGÉES.—EUPURGO.
PULMO (BAILLY).—FORXOL.—OPOBYL.
ANESTILE.—NARCOTILE.—HEMOSTYL.
LIPIODOL.—MUTHANOL.—ARHEMAPECTYL.
ENTERO ANTIGENS.—STAPHYLOTHANOL.
NEOPANCARIPINE. RICARD'S CACHETS.

BENGUÉ & CO., LTD., MFG. CHEMISTS,
24 FITZROY STREET, LONDON, W.1.

ERGOAPIOL (Smith) PROTECTIVE MARK

Patented in U.S. and Foreign Countries.

Ergoapiol (Smith) is now identified by the letters M.H.S. in the gelatin on the inside of each capsule. These letters are not visible from the outside, but they are plainly discernible in the gelatin when the capsule is cut in half.

MARTIN H. SMITH CO. NEW YORK, N.Y.

British Agents—
THOS. CHRISTY & CO., 4-12 Old Swan Lane, London, E.C.4

For . .
GASTRIC or DUODENAL

ULCER

Two of the most suitable salts for the rapid counteraction of gastric acidity are tribasic magnesium phosphate and tribasic calcium phosphate.
(Vide GUY'S HOSPITAL REPORTS, APRIL 1928)

CALSOMA

(ABBOTT)

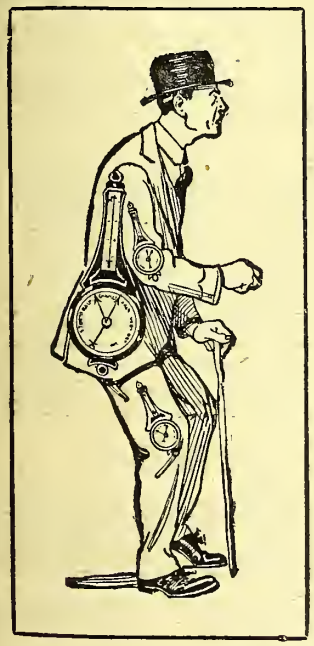
contains both, as well as magnesium citrate and sodium biphosphate. Pleasant to take, in effervescent form, CALSOMA is an ideal gastric antacid, for it

NEUTRALISES EXCESSIVE ACIDITY WITHOUT PRODUCING ALKALINITY

***CALSOMA** is obtainable from stock from all the leading wholesale houses.*

E. H. SPICER & CO., LTD.

And at 72 Wigmore St., London, W.1. LABORATORY & WORKS: WATFORD, HERTS.
Irish Free State: VICTOR E. HANNA, 69 Lower Mount Street, Dublin.



WRITE FOR PARTICULARS OF CASH BONUS FOR WINDOW DISPLAY

It does not matter where the Barometer is

CURICONES

will deal with the trouble, be it

Rheumatoid Arthritis, Neuritis, Rheumatism, Gout, Lumbago or Sciatica.

Quick Sales. WELL ADVERTISED. ***Generous Terms.*** RECOMMENDED BY DOCTORS.

Stocked by all Wholesale Houses.

Other Lines which also pay to stock:—
ANTHROIDS BALM, CURILAX, VICAPS, STEMAT ANTI-CATARRHAL TABLETS, STEMAT ANTI-CATARRHAL BALM, My Lady's ROLETTE WRINKLE ERADICATOR, SANALVE, THE QUROPAD MASSAGE APPLIANCE, VANITY BOXES, &c.

STEPHEN MATTHEWS & CO. Ltd.

Manufacturing Chemists,
19-20-21 FARRINGDON STREET, LONDON, E.C.4.
'Phone: City 8342. Wires: "Curicone, Cent, London."

CLARKE'S BLOOD MIXTURE & OTHER PREPARATIONS

Wholesale Prices.

	SIZES.	PRICE PER DOZEN.
Clarke's Blood Mixture	3/- & 12/-	£1 : 7 : 0 & £5 : 8 : 0
„ Miraculous Salve	1/3, 3/- & 5/-	11/-, £1 : 7 : 0 & £2 : 4 : 6
„ Special Aperient Pills ..	1/3, 3/- & 5/-	11/-, £1 : 7 : 0 & £2 : 4 : 6
„ Patent Skin Lotion ..	1/3	11/-
„ Medicated Soap	1/-	9/-

Orders: Minimum quantity £16 : 4 : 0 value.
FREE CASES. Carriage paid upon orders of £100.

All Wholesale Houses keep a large stock of our Preparations and can supply smaller orders promptly.

Minimum Retail Selling Prices: 1/-, 1/3, 3/-, 5/- & 12/- Face Value, giving a **PROFIT** of 33⅓% on cost to Distributors.

An attractive Showcard and Dummies supplied on application.

Trade Mark: "BLOOD MIXTURE." Regd. No. 3275.

Sole Proprietors:

THE LINCOLN & MIDLAND COUNTIES DRUG CO., LTD.
Park Street, LINCOLN.

BOX'S Pills

You've heard of them before. You may have been asked for them already. You certainly WILL be asked for them, because demand is now being steadily developed by advertising. (Display material supplied free.)

Sizes: 1/3, 3/-, 5/-, 12/-, and 22/-
(On P.A.T.A.)

Wholesale prices on application.

Prepared only by the Proprietor:
W. H. BOX, Giant Pill Manufactory, **161 King St.**
PLYMOUTH.
Telegrams: "Giant, Plymouth."
Awarded 2 Gold Medals and 2 Diplomas International Exhibitions, Paris and Rome, 1914.

It will pay you to stock them!

When the public demand goods bearing a specified name the wide-awake retailer prepares to meet that demand and so reap the benefits which follow.

IGLODINE has become a household word, and the public, through satisfaction which comes after trial, are demanding **IGLODINE PREPARATIONS.** Are you the retailer who is preparing to meet the demand?

·Iglodine·

The Safe and Pure Antiseptic

Write to-day for full particulars to:
THE IGLODINE CO., LTD. - Newcastle-on-Tyne.

PRESS ADVERTISING IS BOOMING

FULLER'S

CELERY PERLES

HOW ARE YOUR STOCKS?
Supplies from every Wholesaler.

The Fuller Laboratories, 1, Crutched Friars, London, E.C. *Telephone: Royal 8592.*

60 TABLETS For 2/6

LISTED P.A.T.A

NEW 'ASPRO' PACK THAT CAN INCREASE CHEMIST'S SALES 33⅓%

As a result of persistent enquiry from the trade and public who wish to purchase 'ASPRO' in larger quantities, provided some concession can be made, we have pleasure in announcing a new packing in the form of 60 tablets for 2/6. This packing is now on the market and is available to the trade through the usual wholesale channels. The prices of the new line are as follows:—

Price to Public - - 2/6 per packet of 60 tablets

Price to Chemists - 21/- per doz. [No bonus on this size]

PACKING—*This pack can be obtained in a neat Silent Salesman containing 1 doz. packets*

The 2/6 Size of 'ASPRO' means that your Customers get 10 TABLETS FREE. If you point this out to your Customers you render them a Service, and

DOUBLE YOUR TURNOVER

Chemists are realising the fact that by devoting their window display to advertised goods they are sharing the goodwill of about £10,000,000 worth of advertising yearly. 'ASPRO' is perhaps the best demonstration of this principle that England has seen. 'ASPRO' spends £250,000 a year in advertising and is increasing its appropriation as sales grow. The chemist who places the 'ASPRO' Window Display in his window gets the benefit of the advertising just the same as if his own name appeared in the advertisement.

'ASPRO' is the Chemist's Largest Seller. Send for a Window Display and get full benefit of the £250,000 Continuous Advertising Campaign.

'Aspro' consists of the purest Acetyl Salicylic Acid that has ever been known to Medical Science, and its claims are based on its superiority.

Agents:—GOLLIN & CO. PTY. LTD. ('Aspro' Dept.), Slough, Bucks.

Telephone: SLOUGH 608.

No proprietary right is claimed in the method of manufacture or the formula

THINKING OF OINTMENTS?

TEST by specifying "SPUN" when ordering

COLD CREAM
BORIC OINTMENT
ZINC OINTMENT
NUT GALL OINTMENT
GALL and OPIUM OINTMENT
ETC., ETC.

Send for Illustrated Catalogue. *Samples post free.*

QUALITY IS THE THING *"SPUN"* IS THE NAME
that distinguishes the best from all others.

"SPUN" OINTMENTS

may be ordered through:—

Messrs. BUTLER & CRISPE, 80-82 Clerkenwell Road, London, E.C.1
Messrs. W. EDWARDS & SONS, 14-18 Nile Street, City Road, London, N.1.
Messrs. MAY, ROBERTS & CO., LTD., 7-13 Clerkenwell Road, London, E.C.1.
Messrs. FRANCIS NEWBERY & SONS, LTD., 27-28 Charterhouse Square, London, E.C.1. 13 Crichton Place, Cardiff, and 12 School Lane, Liverpool.
Messrs. SANGERS, 258 Euston Road, London, N.W.
Messrs. W. SUTTON & CO., Druggists' Sundries, London—76 Chiswell Street, London, E.C.1.

or ORDER DIRECT FROM:

ROBERT BLACKIE

(SOLE MANUFACTURER)

SHEN WORKS, TOWER BRIDGE ROAD, LONDON, S.E.1

'Phone: Hop 2422 (2 lines). *Telegrams: "Ushenspuna, London."*

NEPENTHE.

THE SAFEST AND BEST PREPARATION OF OPIUM.

The word "Nepenthe" is registered under the Trade Marks Act, and is our exclusive property. No substitute may be dispensed when "Nepenthe" is ordered in a prescription. "Nepenthe" comes within the regulations of the Dangerous Drugs Act, 1920.

FERRIS & COMPANY, LIMITED, BRISTOL.

ESTABLISHED 1772

HENRY'S CALCINED MAGNESIA

Continues to be prepared with scrupulous care, in the greatest chemical purity by Messrs THOMAS & WILLIAM HENRY, 11 East Street, St. Peters, Manchester.

And is sold in Bottles, authenticated by a stamp bearing their name. Trade Mark, "Henry's Calcined Magnesia."

New York: Messrs. SCHIEFFELIN & Co., William Street. PRICE 2s. 9d. Paris: Messrs. ROBERTS & Co., 5, Rue de la Paix.

AN OLD FASHIONED—BUT REALLY EFFECTIVE remedy for COUGHS, COLDS, INFLUENZA and BRONCHIAL troubles.

licoricine

ACTS LIKE MAGIC

Prices 10½d., 1s. 3d. and 3s.

TERMS.

10½d. size, 8/6 per doz.
1/3 " 12/- "
3/- " 27/- "
Less 5% dis. on £6 orders.

10½d. size, 8/1 per doz.
1/3 " 11/5 "
3/- " 25/8 "
Carriage paid on orders of £2 and over.

MANDALL & CO. Ltd., 17/23 Stepney Rd., Newcastle-on-Tyne.

Insect bites!

more than troublesome . . . dangerous sometimes . . . unsightly always . . .

Luckily there is a Monsol product to protect against insect poisons.

Touch the bite with Monsol anti-mosquito stick, which leaves no mark or stain on the skin — no danger, no discomfort now — you are protected and not disfigured.

An indispensible summer toilet comfort, needing little room in the handbag (it cannot leak or stain), and with a refreshing cleanly smell—Monsol anti-mosquito stick (non-greasy) leaves a smooth surface on the skin like a vanishing cream.

1/- Monsol Anti-Mosquito Stick 1/-

Take one with you on your holiday

The Monsol Group
Liquia 2/- bottle.
Ointment 2/- pot.
Throat Pastilles 1/6 & 2/9 box
Internal Capsules 5/- bottle.

MONSOL
The *Safe* Germkiller

Sold by all Chemists.

Manufacturers: The Mond Staffordshire Refining Co. Ltd.;
U.K. Distributors: Thos. Christy & Co., 4-12, Old Swan Lane, E.C.4.

MONSOL IS A GOOD COMPANION

BELTONA

The Wonderful Solvent Lotion for :—

Arthritis, Rheumatism, Gout, Sciatica, Lumbago, Neuritis, Colitis, Laryngitis, and all Inflammatory Conditions.

Stocked by all Leading Wholesalers.

Retails at **3/-, 5/-** and **20/-** per Bottle (In Great Britain).

Supplies for the Irish Free State can be obtained from Mr. E. V. Hanna, M.P.S.I., 69/70, Lower Mount Street, Merrion Square, Dublin. Australia, Messrs. Berglin Remedies, Ltd., Hibernian Buildings, Adelaide Street, Brisbane. South Africa, Messrs. Macdonald, Adams & Co., Ltd., Johannesburg. India, Park Supplies Ltd., 166 Hornby Road, Bombay. P.O. Box 621.

Sole Proprietors :—

BELTONA LTD., HODDESDON, HERTS.

Beecham's Pills

Beecham's Powders

Beecham's Pills

1s. 3d. size - 11s. 9d. per dozen
3s. 0d. ,, - 28s. 0d. ,,
5s. 0d. ,, - 54s. 0d. ,,

Beecham's Powders

1s. 3d. size (8 Powders) 11s. 9d. per dozen
5s. 0d. ,, (40 ,,) 54s. 0d. ,,

Less 2½% Cash Discount.

A further 5% allowed for Window or other Advertising display.

Orders—Minimum Quantity FIVE POUND (Assorted sizes, Pills and Powders).

PACKAGES FREE. CARRIAGE PAID.
TERMS: CASH WITH ORDER.

All communications to be addressed and cheques made payable to:
BEECHAMS PILLS LIMITED,
Sales Office :
BEECHAM-VENO Buildings, Chester Road, MANCHESTER

ABDINE Bonu

(Scotland)

To every chemist making a window show of ABDINE a quarter gross (3 1-dozen boxes) will be sent free with a photographic suggestion and material for a window show, either through their wholesale or post direct paid. Write to

DUNCAN McGLASHAN, LTD.
Abdine Works, Westfield Rd., Edinburgh

It will pay you to give us a window shou

ESTABLISHED OVER 60 YEARS

PERRYS POWDERS

FOR CHILDREN'S AILMENTS

TRADE *MARK.*

Wholesale from PERRYS POWDERS, Ltd., LEEDS

Build Solidly on "Daisy" Business !

"DAISY" offers you a year-round profitable turnover, ready and sure. A never-ceasing, ever-increasing demand which is the result of the universal prevalence of headaches, coupled with powerful and consistent advertising.

"Daisy" is a regular magnet for new business. Headache sufferers are on the look-out for "Daisy." They see "Daisy" in your window, come in for it—and buy other lines as well.

Here's another point. A customer cured of headache with a "Daisy" from your shop is a grateful customer, grateful to *you* for selling "Daisy." "Daisy" builds goodwill for your business.

Build solidly on "Daisy" business. Send postcard for terms and small showcard to-day.

DAISY LTD., HORSFORTH, LEEDS

POISONS and PHARMACY ACT.

Privy Council Order, Jan. 1, 1921.

DANGEROUS DRUGS ACT, 1920.

Regulations of May 20, 1921. (Operative Sept. 1, 1921.)

Dr. J. Collis Browne's CHLORODYNE

is not affected by above Order or Regulations.

It does not require purchaser's signature.

Proprietors: **J. T. DAVENPORT, Ltd., 83/87 Union Street, S.E.1**

PHARMACEUTICAL PREPARATIONS
CINEMA SPRAY SOLUTIONS
INDUSTRIAL CHEMICALS

ENQUIRIES INVITED

Joseph Brooks & Co. Ltd. *Wholesale Druggists and Manufacturing Chemists.*

42 SHUDEHILL, MANCHESTER

Liberal Trade Terms

Powerful Advertising

Cephos

THE PHYSICIAN'S REMEDY

for

HEADACHE, NEURALGIA, RHEUMATISM, NEURITIS, Etc.

Is now being vigorously advertised throughout the country.

POWDER AND TABLETS. RETAIL AT 1/3 and 3/-

:: *Sole Proprietors* ::

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ALWAYS ADVERTISED
ALWAYS IN DEMAND!

Make it your business to see that you have an adequate stock always on hand.

Dr. Cassell's Tablets

The conditions of modern life upset the nerves and digestions of thousands of people. They must have a remedy to restore their nerves and strengthen digestion. And so they take **Dr. CASSELL'S TABLETS,** :: the popular tonic for the troubles. ::

STOCK THEM!

Germolene

ASEPTIC SKIN DRESSING

—the ideal ointment for all wounds requiring dressing of the skin. Even in serious skin troubles **GERMOLENE** provides all that is required to permit of a complete recovery.

STOCK IT!

Veno's LIGHTNING Cough Cure

Write for PRICE LIST To-day

The season is fast approaching when coughs, colds and chest complaints will be prevalent. As a consequence, people will ask for **VENO'S LIGHTNING COUGH CURE**—the family remedy that has stood them in good stead for years past.

STOCK IT!

VENO DRUG CO. (1925) LTD.

Chester Road, Manchester

Increased Profits on Irving's YEAST-VITE Tablets

AND IRVING'S YEAST-VIMAL TRADE MARK VITAMIN FOOD

On and after APRIL 2nd, 1928, YEAST-VITE Tablets and YEAST-VIMAL will be sold under P.A.T.A. protection as follows :—

YEAST-VITE	Sizes	1/3	3/-	5/-	12/-	24/-		Nett 30 Days
	at	12/-	28/10	48/-	114/-	220/-	per doz.	
YEAST-VIMAL	New Sizes	7½d.	1/2	2/2	5/-	9/6		
	at	6/-	11/3	20/9	48/-	90/-	per doz.	

SPECIAL WINDOW SHOW BONUS TERMS

Cancelling all previous Bonus arrangements.

For a 14-days' Window Display Bonus will be given as under :

YEAST-VITE 14 to the Dozen on £5 order and over (Assorted Sizes)
13 " " £3 " " "
Bonus on 1/3, 3/- and 5/- sizes only.

No Bonus on 12/- or 24/- sizes, or less than ½-dozen 5/- size.

EXAMPLES	Order.		Bonus.		Order.		Bonus.	
	3 doz. 1/3	£1 16 0	3 only 1/3		4 doz. 1/3	£2 8 0	8 only 1/3	
	1 " 3/-	1 8 10	1 " 3/-		1½ " 3/-	2 3 3	3 " 3/-	
	¼ " 5/-	0 12 0			½ " 5/-	1 4 0	1 " 5/-	
		£3 16 10	EXTRA PROFIT 6/9			£5 15 3	EXTRA PROFIT £1 4 0	

YEAST-VIMAL 13 to the Dozen on £3 order and over (assorted sizes).

The Prominent Display of New and Attractive Show Material Will Double Your Sales.

Write for Photographic Illustrations (with sizes) of New Showcards, Cut-outs, etc., sent FREE and carriage paid on request.

IRVING'S YEAST-VITE LIMITED

'Phone: Clerkenwell 4623 (2 lines). 12-16 LAYSTALL STREET, CLERKENWELL, LONDON, E.C.1 Wires: Yeastvite, Cent, London.

SERVICE

THE KEYSTONE ON WHICH ALL SUCCESSFUL MODERN BUSINESSES ARE BUILT.

THAT LITTLE EXTRA ATTENTION TO DETAIL WHICH EPITOMISES SERVICE IS OUR STANDARD.

FOR NOTEWORTHY SERVICE

FRANCIS NEWBERY & SONS LTD.

LONDON CARDIFF & LIVERPOOL

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BLUE-LABELLED 'YADIL'

HAVE you changed your old stocks for the new blue-labelled bottles? If not, the Summer months offer you the last opportunity of doing so, and we invite you to write for particulars of our special offer.

We shall be happy to keep you supplied with counter wrappers, if you will kindly drop us a postcard as soon as you require further supplies.

YADIL PRODUCTS (1925) LIMITED
Sicilian House - LONDON, W.C.1

GOODALL'S

WE make and pack practically all the usual chemist lines—and many special ones of our own that are distinctly unusual. Especially we ask that you allow us to show you what we can do in

Waterglass Vitamine Malt
Olive Oil Health Salts
Salines Seidlitz Powders

The 'Velva' Series of popular own-name lines (illustrated alongside).

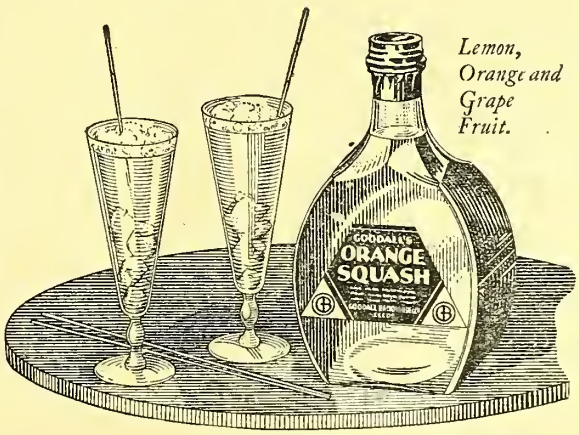
The Ku-Bist Series of Toilet Creations.
14 beautiful toilet lines very keenly priced.

Why not let us show you what we are offering for the Summer of 1928? Ask for a contract price and samples of anything you need, or, better still, allow us to send a representative to call with specimens and every detail. *Illustrated Lists sent gladly on request.*

Goodall's Fruit Squashes—a new 1928 line which our friends say is wonderful.

Perfection in Own-Name work.

Our printer simply *cannot give you* other than perfectly satisfactory and suitable own-name work, for we have none but the best of modern type, perfectly chosen for own-name purposes and expertly set. The result is own-name labels that look what they should—that give our lines the finish and perfection you like to see on the things that bear your name, and for which you accept personal responsibility.



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"An Appledoc a day keeps illness at bay"

The public responds readily to a window display centred around this effective slogan.

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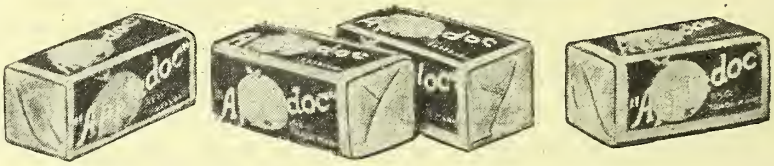
Mild, Pleasant to taste, Effective, Harmless.
Ideal for Children.
Convenient for travelling.



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You *must* keep a Register.

It is much more satisfactory to have one which is quite PRIVATE. The purchaser need not see any of your business. Our page to an entry book prevents that. A correspondence card always in the book, with an elastic band, "keeps the place" and covers the left-hand leaf when filled in.

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We are advising the Public to apply to you for free samples.

Send for a supply at once.

In addition we authorise you to promise to actual purchasers "Money back if not satisfied." Details of this on request.

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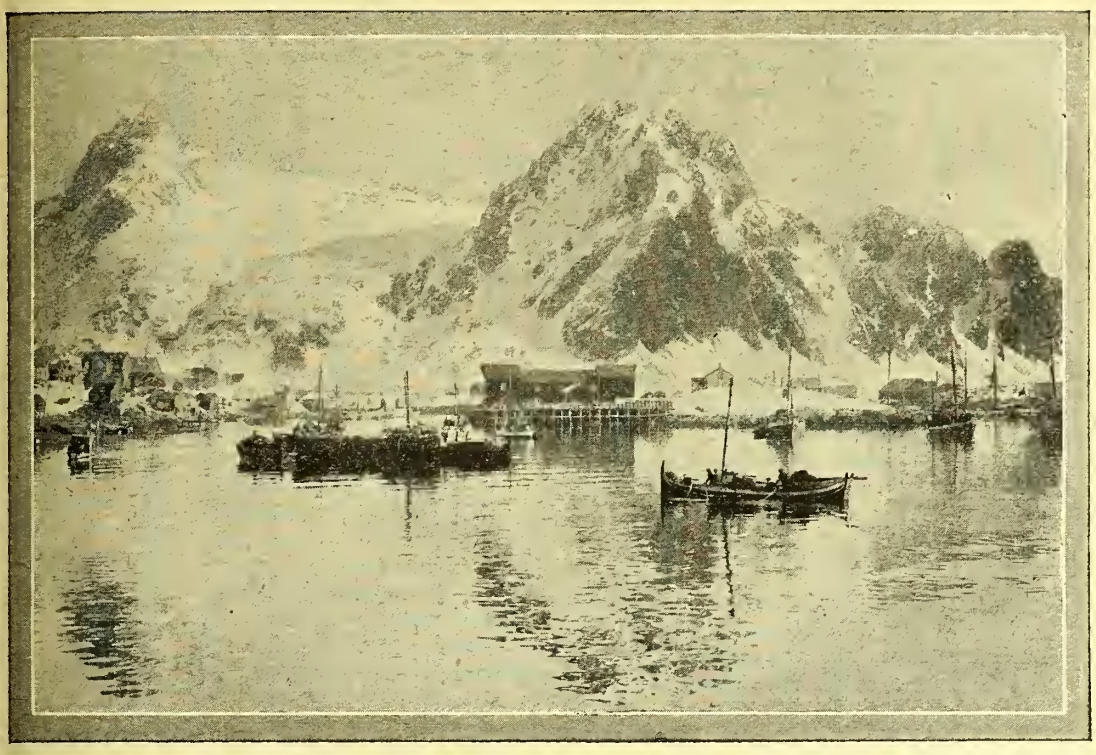

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Subsequently the liquid oil is filtered so as to remove all solid fats: the resultant product then becomes innocent of disagreeable taste and odour.

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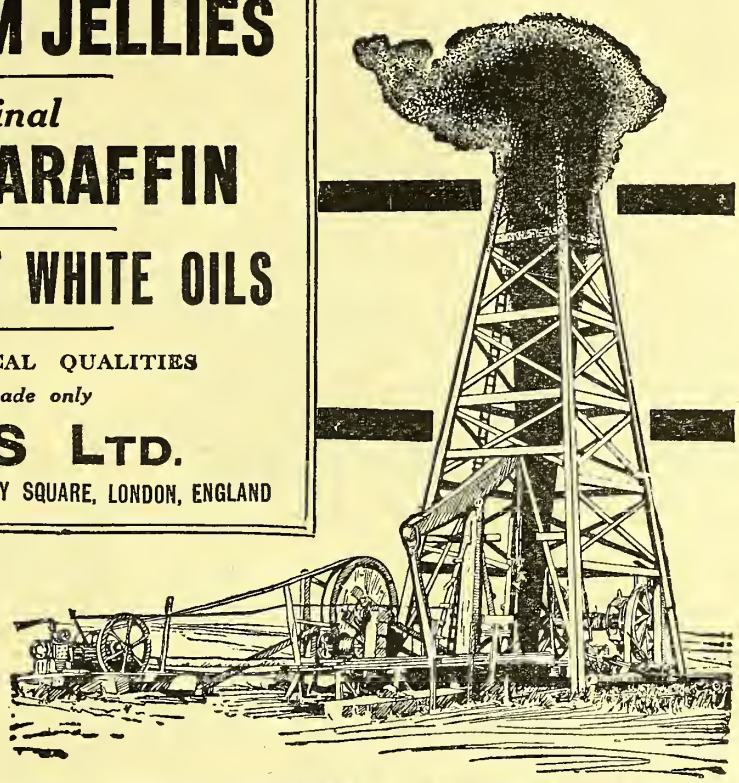

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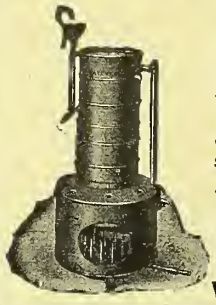

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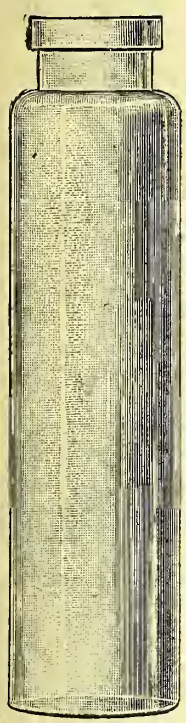

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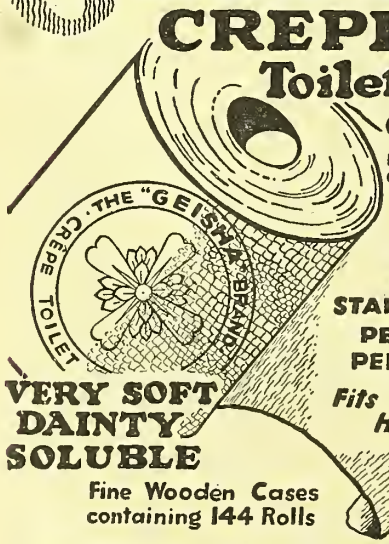

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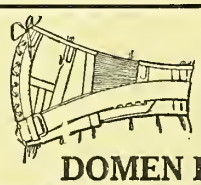

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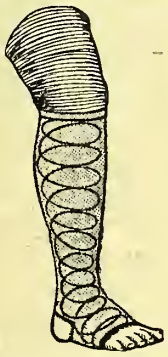

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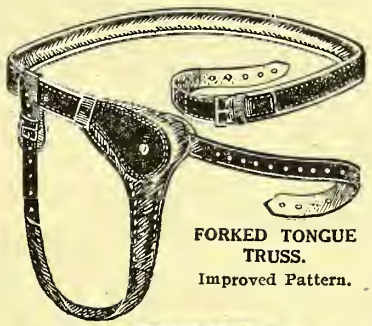

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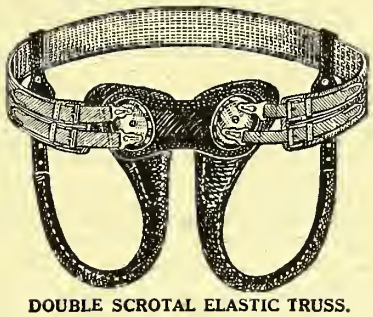

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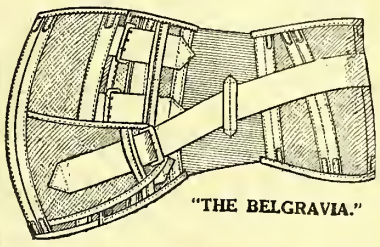

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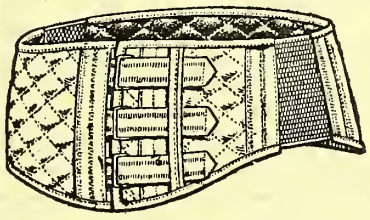

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Made in two sizes.

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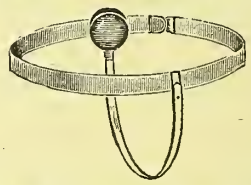

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MONARCH SEAL QUININE PESSARIES—Full Strength Guaranteed

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WINCHESTER MANUFACTURING CO., LTD., ISLEWORTH, MIDDLESEX

PATENT MINERALIZED

WM. WARNE & CO. LTD.

29 GRESHAM STREET, E.C. 2.

India Rubber Manufacturers,

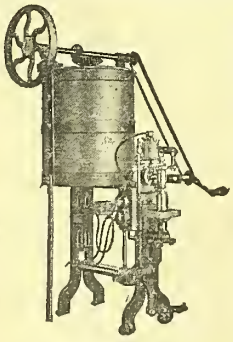
Surgical, Chemical, Domestic Articles, Syringes, Water Beds, etc.

Roberts' Original Patent BOTTLE FILLING MACHINES

The record makers in speed filling with cleanliness. Foot-Operated Machines. From £5 5s. Hand-Operated Machines. From 36/-.

Soundly constructed, simple in action, easy to clean.

NEW PATENT SHALLOW TIN FILLING MACHINES.



Automatic CAN FILLING MACHINES, MIXING MACHINES, CORKING MACHINES.

NEW PATENT ACCESSORIES TO "NELSON," "VICTOR" and "NAVY" BOTTLE FILLING MACHINES enable them to be used as Vacuum Fillers, Gravity Fillers or Pressure Fillers at will.

"ROYAL"

WRITE TO-DAY TO

ROBERTS' PATENT FILLING MACHINE CO.

33 Roundcroft Street, BOLTON, LANCS.

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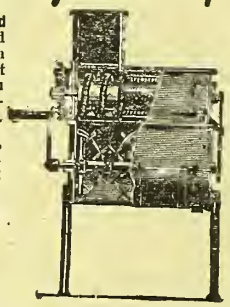
This gives a thorough mix-up

A Gardner "Rapid" sifter and mixer will thoroughly sift and mix ½ oz. of one ingredient with a 30-lb. mixture of dry powders at one operation, and "every pinch of the whole will show its presence"—a customer's statement.



Write us for list of Ball Mills, Disintegrators, Millstones and Mills, Drum Sieves, Drying Machinery, etc.

WM. GARDNER & SONS (Gloucester) LTD.

Bristol Road, GLOUCESTER.

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with the best buyers of Drugs, Chemicals, and allied products

ALL OVER THE WORLD

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THE CHEMIST & DRUGGIST

Doctors delighted!

The success of Mead's Rubber Adhesive Plaster as evidenced by steadily increasing sales — sure sign of the full endorsement of its reliability by discriminating Medical Men, Hospitals and Governments the world over — has led us to put it up in an entirely new and additional form: the "Multiwidth."

The "Multiwidth" is much appreciated by busy practitioners and nurses, since it provides in a handy form for the surgery or visiting bag 4 widths of strapping on one spool.

It also sells readily for first-aid use in factories, etc.

Seabury's "Multiwidth" Oxide of Zinc Plaster is supplied at the same price and on the same terms.

MEADS "Multiwidth" Rubber Adhesive Plaster

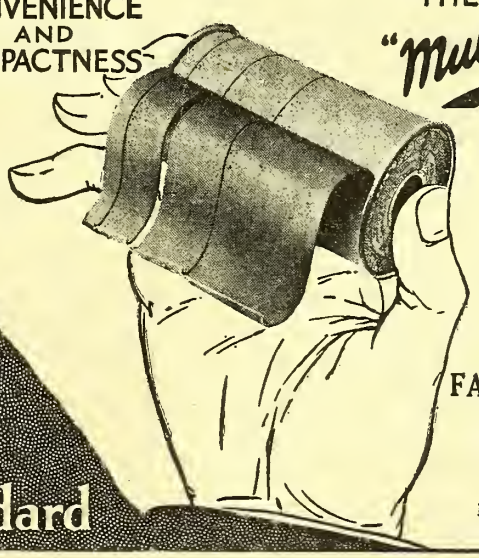
AND

SEABURYS "Multiwidth" Oxide of Zinc Plaster

Each spool contains 5 yards of each of the following widths:— $\frac{1}{4}$-in., $\frac{1}{2}$-in., $\frac{3}{4}$-in. and $1\frac{1}{2}$-in. (*see illustration*).

42/6 per dozen spools. Subject to the usual Seabury discounts.

THE ACME OF CONVENIENCE AND COMPACTNESS



THE "Multiwidth" PACKING 4 WIDTHS ON ONE SPOOL

Sole Consignees:
FASSETT & JOHNSON LTD.
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LONDON
and at
Dublin, Sydney, Cape Town

HARVEY'S

Watts' Embrocation, or Curb Bottle.
Aconite Powders.
Worm & Condition Powders.
Watts' Red Lotion.
Hair-Restoring Ointment.
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Great

Protected Prices (P. A. T. A.)

Remedies for the Horse

HARVEY'S

Koppos Powder.
Parasiticide.
Thrush Specific.
Hoof Ointment.
Hair Restorer (Human).

Of all the leading Druggists' Sundries Houses

HARVEY & COMPANY, Ltd., Dublin

Continuous and Steadily Advertised Goods
FOR DESTROYING RATS AND MICE

DANYSZ VIRUS

	Retail Price (protected).	Net Wholesale Prices
Virus for Rats and Mice, single tube, 2/-	3 tubes, 5/-	.. 15/- per doz.
Virus for Mice only - - single tube, 1/6	3 tubes, 3/-	.. 9/- „ „

Date-expired tubes returned to us postage paid will be exchanged free of charge.

Danysz Virus in Liquid Form

	Retail Price.	Wholesale Price
Quart Bottles 6/- each	.. ..	4/6 each
Pint „ 4/6 „	.. ..	3/9 „

HALLER'S EXTRACT OF SQUILL and DANZO RAT KILLER

Discount off Retail Prices 25% Monthly Account, or 33⅓% cash with order.

	Retail	Monthly a/c	Cash with order
½ gall. tins	.. 10/-	.. .. 7/6	6/8
1 „ „	.. 18/-	.. .. 13/6	12/-
5 „ „	.. 80/-	.. .. 60/-	53/4

DANZO BEETLE POWDER

For destroying Blackbeetles, Cockroaches, Crickets, &c.

Retail Prices (protected).	Wholesale prices per doz.
In tins 3d.	In boxes of 2 doz. 2/1
„ 6d.	„ „ 1 „ 3/8
„ 1/-	„ „ 1 „ 7/3
„ 2/6	„ „ 1 „ 18/-

Danzo Beetle Powder will not deteriorate by keeping.

CARRIAGE PAID ON ALL ORDERS.

To be obtained from

HALLER LABORATORIES, LTD.
325 Borough High Street, LONDON, S.E.1

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OUR advertising and the quality of Agfa Roll Films and Film Packs has created an unprecedented demand for them. Amateur photographers know they get results with them better than any they have ever been used to. Link up with us and reap the benefits of this demand. Sell Agfa Roll Films, Film Packs, Agfa Rodinal Developers, Agfa Metol, Amidol, Hyposulphite of Soda Pea Cryst. and Photographic Papers.

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APART from the

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Reliable for Speed and Quality →

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TELEPHONE: 0663 MOUNTVIEW.

Why CATALINE Pays to Stock

BECAUSE it enjoys the largest sale of any Cattle Medicine Preparation and is on the **P.A.T.A.**

BECAUSE it is consistently advertised and all advertisements refer to the Chemist as the source of supply.

BECAUSE it is well packed; does what it is advertised to do, and shows the trade a satisfactory profit.

BECAUSE we do not employ travellers calling on Farmers, attending sales, &c.

One size, retailed at face value, viz.: 3/9 per bott.

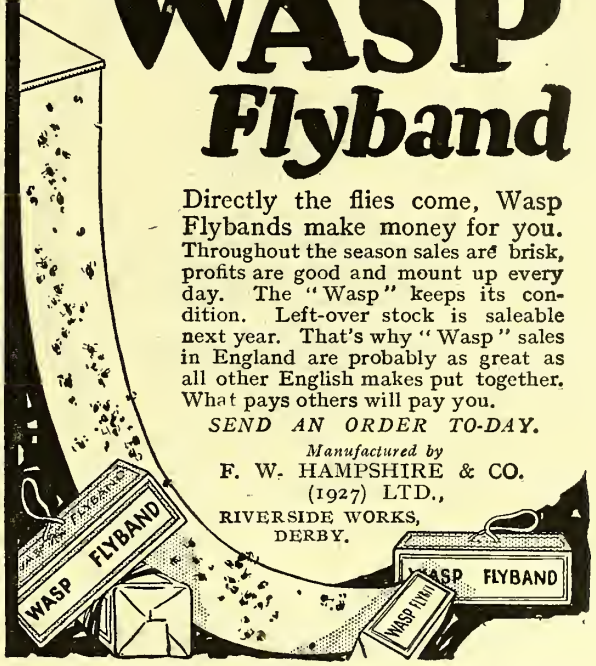
Cash with order terms.

1doz. 36/- 3 doz. at 35/6. 6 doz. at 35/- 12 doz. at 34/6 per doz.
CARR. PAID. CASES FREE.

Stocked by most Wholesale Houses.

THE CATALINE CO., LTD., Bristol

There's Money in Flies *when you stock* "WASP" *Flyband*



Directly the flies come, Wasp Flybands make money for you. Throughout the season sales are brisk, profits are good and mount up every day. The "Wasp" keeps its condition. Left-over stock is saleable next year. That's why "Wasp" sales in England are probably as great as all other English makes put together. What pays others will pay you.

SEND AN ORDER TO-DAY.

Manufactured by
F. W. HAMPSHIRE & CO. (1927) LTD.,
RIVERSIDE WORKS, DERBY.

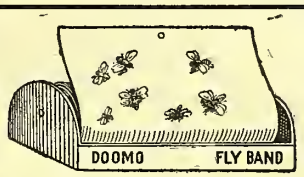
BOB MARTIN'S *TASTELESS* CONDITION POWDERS

show a profit of 38%

and are advertised in daily papers having a combined sale of more than SEVEN MILLIONS a day.

Bob Martin's '92 Ointment now replaces the well-known Mange & Eczema Lotion; Shilling tins in attractive Display Outers; sells readily and very steadily.

BOB MARTIN, LTD., SOUTHPORT, LANCS



THE DOOM OF THE FLY

"DOOMO" FLY BAND, wide and long, also narrower one.

SMITH & CO., Doomo Works, NEWARK.

THERE IS NO ESCAPING

once the biggest and strongest fly or wasp has touched any one of

THE

Cemetery Brand Fly Catchers

By far the most efficient on the market. They have survived the competition of 50 years. They are certainly

THE PAPERS YOUR CUSTOMERS WILL NEED.
Flat sheets "Cemeteries," 3 in. bands, 2 in. bands "Swallows."

BRITISH MADE. FULL PRICES FREE ON REQUEST.

TUNBRIDGE & WRIGHT - - READING.
Telegrams: "Flies, Reading." *'Phone: 496 Reading.*

7,000,000 DOGS & CATS

There are 3,500,000 Dogs in the United Kingdom, and no doubt as many—if not more—Cats. This means that one house in every three contains a Dog or Cat. In your district alone there are thousands of men and women who spend regularly to keep their pets in healthy condition. Are you reaping the benefit of this regular and profitable business? If not, stock up now and display

SHERLEY'S DOG & CAT MEDICINES, LACTOL, LACTOL BISCUITS, &c.
(*P.A.T.A.*)

Helpful sales aids—extensive National Press Advertising, Showcards, Counter Literature, Cut-outs, &c.

Price List and Terms from

A. F. SHERLEY & CO. (1928) Ltd., 18 Marshalsea Rd., S.E.1

ROBINSON'S *of* CHESTERFIELD *for* CARDBOARD BOXES

ROUND · OVAL · SQUARE · FOLDING

ROBINSON & SONS LTD.
CHESTERFIELD & LONDON

BEADED BOXES

The boxes illustrated above are finding increasing favour amongst chemists. They are dust-proof and air-tight and of a very attractive appearance.

Fitted with a flanged metal lid which is easily lifted out they form a very useful container.

Blank panel on reverse side for printing in Customer's name and address.

ROBINSON & SONS, Ltd.

Manufacturers of ROUND, OVAL, SQUARE AND FOLDING CARDBOARD BOXES,

CHESTERFIELD

118

SLIPPERINE
DANCE POLISH

The Floor the Dancers Prefer

STOCK THE P.A.T.A. LINE THAT IS ASKED FOR.

DECORATED TINS. 1/6 size at 12/- dozen
2/6 „ „ 20/- „
10/6 7 lb. „ 96/- „

P.A.T.A.

Under £3, nett one month; £3, less 2½% one month; £6, less 5% one month.
Carriage Paid £3. Cases free.
STRIKING SHOW MATERIAL.

SINGLE STANDARD CASES. CARRIAGE PAID. *Nett Cash.*

Case	1/6	2/6	Cash	Case	1/6	2/6	10/6	Cash
A	24	—	24/-	D	—	—	4	32/-
B	12	6	22/-	H	12	—	1	20/-
C	12	12	32/-	J	—	9	2	31/-
G	—	18	30/-	K	6	6	2	32/-

Distributors for England and Irish Free State:
A. de ST. DALMAS & CO., LTD.,
Leicester, London and Dublin

Makers:
JOHNSTON & ADAMS, Dundee, Scotland
Export: WM. C. RUDKIN & CO., 44 King William Street, E.C.

PHOSFERINE

New Window Display Conditions

Monthly Account. ***Carriage Paid.***

For a small Central Window Display of not less than 14 days and an order for £5 worth of Phosferine we allow a bonus of 10/6, on a £2 10 0 order 5/3.

This shows a net profit on the transaction to the Chemist of 35%, besides attracting the passer-by to the window and considerably augmenting sales generally.

Should a £5 or £2 10 0 parcel not be required, any smaller quantity will be forwarded carriage paid, and can, if desired, be regarded as part of the £5 or £2 10 0 order. On completion of the order and a notification that the display is in progress the bonus will be allowed.

The above conditions apply only to the United Kingdom.

EXAMPLE.

		COST	SELLS FOR
3½ dozen 1/3 size at 12/- net	....	£2 2 0	£2 12 6
2 „ 3/- „ at 30/- „	....	3 0 0	3 12 0
		5 2 0	
Less 10/6 for Window Show	....	10 6	
		£4 11 6	£6 4 6

Showing a Net Profit of £1 13 0 on an outlay of £4 11 6.

Window Display Material Free and Carriage Paid.

WHOLESALE PRICES OF PHOSFERINE.

Carriage Paid.		*Monthly Account.*
1/3 size	....	12/- per doz. net.
3/- „	....	30/- „ „
5/- „	....	48/6 „ „
12/- „	....	114/- „ „

PROTECTED PRICES.

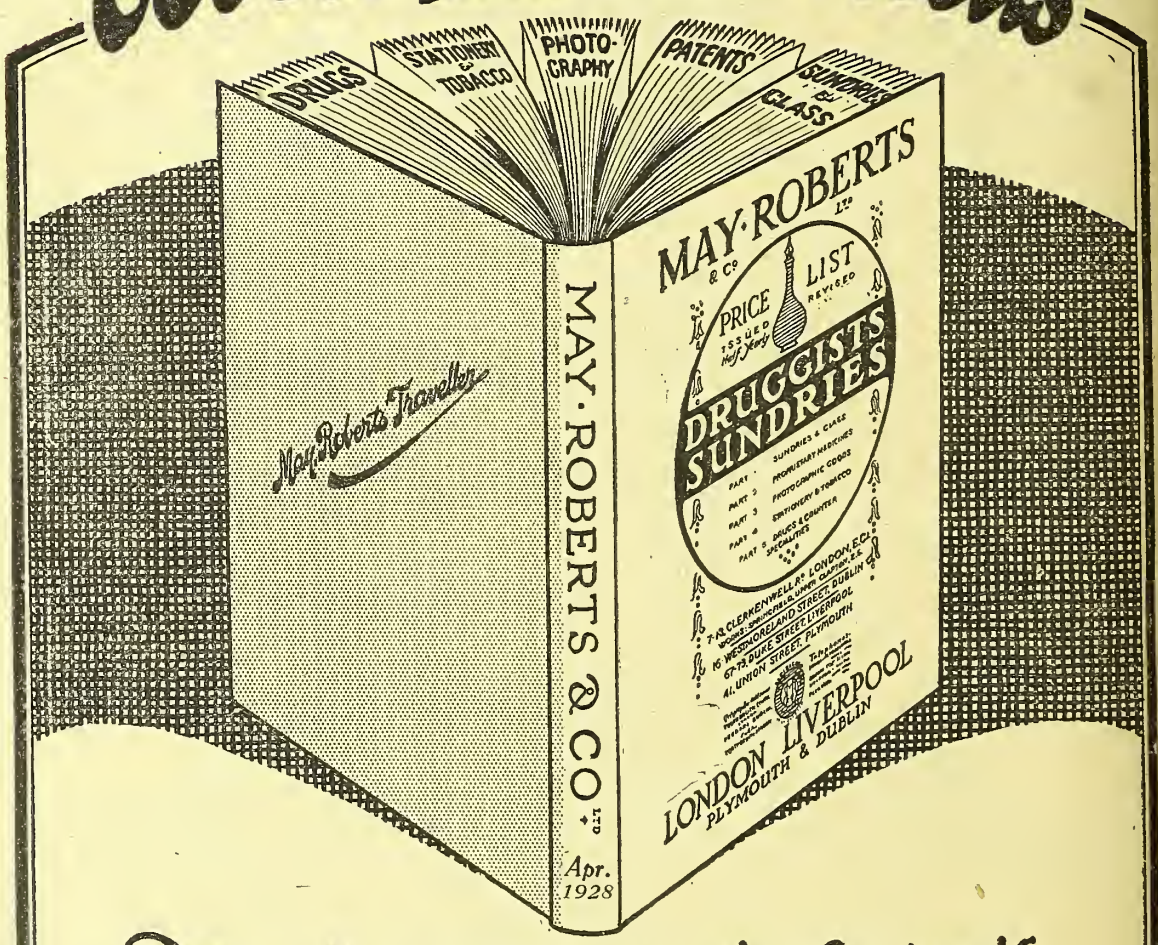
Phosferine and all of our Proprietary Medicines are supplied on the condition that they are not retailed in the United Kingdom under the following prices—viz., 1/3, 3/-, 5/-, and 12/-.

PHOSFERINE (ASHTON & PARSONS) Ltd., Ludgate Hill, LONDON, E.C.4.

Telephone No: CITY 8733. Telegraphic Address: "PHOSFERINE, CENT, LONDON."

IMPORTANT.—Every care is used in corking and packing Phosferine, but occasionally a leaky bottle will pass undetected. Any leaky or faulty bottle should be returned to Ashton & Parsons, Ltd., Ludgate Hill, London, E.C.4, when a fresh supply will be sent and postage refunded.

Covers all your Needs



This illustration speaks for itself.

Do the same Yourself by sending us a Post Card for your Copy

MAY, ROBERTS & Co LTD

7-13, CLERKENWELL ROAD, E.C.1.

P.O. BOX 157.

Also at **LIVERPOOL, PLYMOUTH and DUBLIN**

[84/24]

THE CHEMIST AND DRUGGIST SUPPLEMENT

42 CANNON ST. LONDON E.C.4

AUGUST 25, 1928.

This Supplement is inserted in every copy of The Chemist & Druggist.

THE SUPPLY OF SUPPLEMENTS

The clerical work in connection with the posting of spare copies of the Coloured Supplement week by week has increased to such an extent that we have been compelled to reorganise our system of distribution. Our readers will please note, therefore, that in future, instructions can be accepted for not more than six successive issues of the Supplement at a time, and that in every case the name and full postal address should be written on.

Post Office Wrappers, Stamped ONE PENNY, to ensure prompt delivery.

If wrappers bear a halfpenny stamp only, postal delivery is delayed.

Loose stamps will not be accepted.

CLOSING FOR PRESS.

ALL ADVERTISEMENTS INTENDED FOR INSERTION IN THIS SUPPLEMENT MUST REACH US NOT LATER THAN **FIRST POST THURSDAY MORNING.**

CHEMISTS' TRANSFERS.

Messrs. Orridge & Co., 56 Ludgate Hill, E.C.

Telephone No.: CITY 2283.

May be consulted at their Offices on matters of Sale, Purchase and Valuation.

1.—LONDON, N.—Dispensing and Photographic (Kodak); returns £1,500, rapidly increasiug; large shop in very good position; house sub-let at £2 weekly; long lease; price to be arranged; part payment entertained.

2.—LONDON SUBURBAN (Good-class Growing District).—General Retail and Dispensing Business; increasing turnover; present rate £45 weekly; estimated value of stock and fixtures £1,300; excellent position; price about £1,550.

3.—LONDON, W. (Suburban).—General Retail Business with Photographic; returns last year £1,740—this year shows an increase; stock and fixtures estimated at £1,000; double-fronted shop with two flats over; held on lease; price £1,350.

4.—LONDON, W.C.—Middle-class Retail and Dispensing Business; returns approach £50 weekly; good house in good state of repair; held on lease; double-fronted shop, well fitted and stocked; price to be arranged.

5.—MIDDLESEX (Northern Suburb).—General Retail and Dispensing Business, with Kodak Agency, etc.; returns approach £50 weekly; good living accommodation; moderate rent; held on lease; price to be arranged.

6.—LONDON, S.E.—General Retail and Dispensing Business; returns, present rate under management, £15 weekly; has recently done £22 weekly; scope for increase in the hands of principal; held on lease at a moderate rental; no reasonable offer refused.

7.—ESSEX.—Light Retail with Kodak Agency (two businesses), both conducted under management; total value of stock and fixtures £800; new leases would be granted; no serious opposition; price £1,000; combined turnover £2,000.

8.—OXFORDSHIRE.—General Retail and Dispensing Business, with Kodak Agency; returns, last year, under management, £2,200 at usual prices; rent £100; 19 years' lease; price £1,350.

9.—WALES.—General Retail and Photographic; no N.H.I., but scope for same; returns approach £4,000, increasing weekly, last week being £86; main road position, best in town; stock and fixtures about £1,450; 12 years' lease; terms £750, plus valuation; perfectly genuine.

10.—GLOS.—Mixed Retail and Dispensing Business; established many years; returns last year £1,053; net profit £275; double-fronted shop; estimated value of stock and fixtures £425; good house and garden; moderate rent; lease will be granted; price £600.

11.—SOUTH COAST.—General Retail and Dispensing, with good Optical connection; returns £2,000 per annum, which includes £700 to £800 from Optical; net profit over £800; double-fronted shop, well fitted and stocked; rent £60; new lease; price £2,000. The vendor would coach purchaser with Optical.

12.—SUSSEX.—Retail, Dispensing and Photographic Business; returns £1,100, with scope for increase; net profit above the average; accountants' figures; good living accommodation; lease will be granted at £100 per annum, or the freehold may be purchased; price for business £1,000.

13.—SURREY (Few Miles Out).—General Retail, with N.H.I. Dispensing; returns £2,000, under management; double-fronted shop; good position; convenient residence; new lease; offers invited.

14.—EASTERN COUNTY.—Country Retail Business, with Wine and Spirits; very old established; returns £2,250; excellent house and fruit garden; vendor is desirous of selling business and freehold together, and will consider a reasonable offer.

Messrs. O. & Co. desire to emphasize the necessity of a periodical Statement of Account by which means alone **Profit, the Value of Business, &c.**, can be determined. Involving as this does the labour of Stocktaking and Valuation, it is often omitted and eventually becomes confusion and loss.

Valuations for Stocktaking

Messrs. O. & Co. are prepared to undertake these essential duties and make **Special Terms** for such service.

ORRIDGE & CO., 56 LUDGATE HILL, LONDON, E.C.4

The Association of Manfg. Chemists, Ltd.

Business Agency, Transfer and Valuation Department

Head Offices—**Kimberley House, Holborn Viaduct, London E.C.1 (and at 2 Bixteth Street, Liverpool).**

PARKIN S. BOOTH, *Accountant and Valuer.* *'Phone: City 1261-2-3*

BUSINESSES FOR DISPOSAL

1.—BLACKPOOL.—Recently established Chemist's Business, on lease 15 years, at rental of £52 for first 3 years and £78 for remainder; returns £42 per week; stock approximately £400; price for quick sale, £1,880. Further particulars on application. (161)

2.—WARKS.—Old-established Business, Chemist and Optician; on lease with 3 years to run, with option of purchase; rent £50 p.a.; house attached let off £50 p.a. on monthly tenancy; returns £16-£17 p.w. Full particulars on application. (155)

3.—BRIGHTON.—Retail Dispensing Business; premises consist of single-fronted shop; 15 ft. frontage, with dispensary and large basement; held on lease 17 years at £52 p.a. inclusive; returns average £20 p.w.; can be increased. Full particulars on application. (147)

4.—MANCHESTER (District).—Old-established Dispensing Chemist Business in good class suburb on a yearly tenancy at £120 p.a.; let off £117; returns average £27 per week, all cash; excellent opportunity as quick sale is desired; good reasons. (172)

5.—DURHAM CO.—Chemist Business for immediate disposal; lease can be arranged at £30 p.a. rent; takings £17; Kodak and Ucal Agencies; good living accommodation. (174)

6.—STAFFS DISTRICT.—Excellent opportuuity for qualified man. Drug and Photographic Store on lease 5 years to run at £40 p.a.; returns £10 per week; could be easily trebled; good living accommodation; full particulars on application. (169)

7.—HULL.—Dispensing and Family Chemist Business in busy thoroughfare (which will shortly become a main road owing to alterations); rent £26 on a yearly tenancy, which can be secured; returns £900 p.a.; lock-up shop; good prospects for a young qualified man. Further particulars on application. (170)

8.—ST ALBANS (Near).—Retail Business, only chemist in district; population 2,000; lease 7 or 14 years at £30 p.a.; rent and rates £10 p.a.; let off £26; returns average £20 per week. Fullest particulars on application. (171)

9.—CHESHIRE.—Retail Family Dispensing Business; single-fronted shop; good living accommodation; held on lease, five years, at £130 per annnm; established 20 years; returns average £32 per week. Fnll particulars on application. (152)

10.—LONDON, S.W.—Very old-established Family Retail and Dispensing Business, occupying prominent corner position in busy thoroughfare; lock-up shop with storage accommodation; held on advantageous lease at £100 per annum; returns approximately £2,300 per annum; can be increased under personal management; full particulars on application. (148)

11.—PLYMOUTH.—Very old-established Retail Dispensing Business; for immediate disposal owing to illness of owner; lease will be granted; part let off at £28 12s. p.a. to excellent tenant; returns £40 per week; double-fronted shop; optical testing room; three stock rooms, all on ground floor; recommended; further particulars on application. (162)

12.—LIVERPOOL.—For disposal, owing to ill-health, Chemist and Druggist's Business; lease can be obtained; rent £65 per annum; excellent living accommodation; returns average £17 per week; price for lease and goodwill £50; fixtures and fittings £175; stock approx. £300; fullest particulars on application. (167.)

13.—DURHAM CO.—Established many years; in present hands eight years; audited accounts showing average turnover for last six years £3,500 per annum, with average net profit of £600 per annum; freebold for sale, £1,800; let off £26 per annum; stock about £750, fixtures about £400; wine licence; property comprises two shops, with dwelling-house and room for storage; offer invited.

14.—SHEFFIELD.—Established on February 1 last; turnover £12 to £15 per week; rent £40 per annum; five years' lease from February 1; stock about £400, fixtures £300-350. Further particulars on application.

15.—SOUTHEND-ON-SEA.—For immediate Disposal, Chemist's Business, in busy centre; premises consist of lock-up shop, with Dispensing and storage room; rent £200 per annum, progressive; returns average £1,500, could be increased; price for quick sale £1,150, or £850 and stock at valuation. Fullest particulars on application. (175)

Stocktaking and Valuation of Businesses undertaken at moderate inclusive fee. Chemists are invited to consult us in respect of their requirements in connection with sale or purchase of businesses. Chemists in the North are requested to communicate with our Liverpool Offices.

BERDOE & FISH

CHEMISTS' VALUERS, AND TRANSFER AGENTS,

41 Argyle Square, KING'S CROSS, W.C.1

(One minute from St. Pancras and King's Cross Stations.)

1.—HOME COUNTY.—High-class Family Retail; growing district; beautifully fitted, and modern house; long lease; returns nearly £4,000; net profit £650; books audited; price £2,750.

2.—WEST OF ENGLAND.—Light General Retail, under manager; returns £1,600; net profit average £420; house let off; low rent; stock and fixtures worth £375; price £675, or near offer.

3.—LONDON, W.—Good-class Retail, with Kodak Agency; returns over £1,700; two self-contained flats over; one vacant; 18 years' lease; rent £250; large double-fronted shop; stock and fixtures worth £1,000; price £1,350.

4.—MIDLANDS.—Old-established Chemist's Business, in busy market town; unique position; returns average £40 weekly; large house, garden, garage, etc.; low rent; excellent stock; price £1.650.

5.—SUSSEX COAST.—Good-class Retail, with Kodak Agency, in rising seaside resort; returns average £2,000; good profits; owner retiring; fully stocked; long lease; price £1,600. Also smaller business for sale at £1,000.

6.—SUFFOLK.—Old-established good-class Family Retail; scope for much increase; good house and large, well-fitted shop; returns abont £1,500; net profit about 25 per cent.; splendid opening for Optics; price for quick sale owing to ill-health £950, or valuation terms.

7.—KENT COAST.—Light Retail Business in growing residential district; returns, under management, £1,158; plenty of scope; modern house; well fitted and stocked; price £850.

8.—MIDLANDS (Small Market Town).—Good-class Family Retail, with Kodak and Optics; returns about £900; good profits; well-fitted shop and good stock; price only £450.

9.—LONDON, S.W.—Sound Light Cash Retail, in busy main road position; present returns £1,750; books audited; well-fitted and stocked; price £1,200.

10.—LONDON, E.—Quick Cash Retail, with good Photographic connection; in busy main road; returns under manager £1,500; plenty of scope; long lease on profit rental; price £1,100.

11.—LONDON, N.W.—Cash Retail, with N.H.I.; returns £1,955, under manager; net profit £600; audited books; main road position; long lease; good house; price £1,250, or offer.

STOCKTAKING VALUATIONS.

We are now booking dates for August onwards and invite early application. Terms on application.
Estab. 1870. Telephone, Terminus 3574.

ERNEST J. GEORGE

If you have a **BUSINESS TO SELL, doing £40 or over with scope for increase,** I can quickly and privately find you a purchaser. Send particulars in full confidence.

7 SOUTHAMPTON ROW, LONDON, W.C.1 *Tel.: Holborn 8158*

3 St. Paul's Close, WALSALL *Tel.: 774 & 1000 Walsall*

CHARLES C. MARSDEN

CHEMISTS' VALUER, TRANSFER AGENT & STOCKTAKER

44 SHOLEBROKE VIEW, LEEDS.

I have four clients wanting sound concerns from £1,000 to £3,000, cash waiting.
If you wish to sell your business, write me in confidence.
In the West Riding, businesses for sale at £300, £400, and £900.

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CHEMISTS' VALUERS, TRANSFER AGENTS, AND EXPERT STOCKTAKERS,

45a MARKET STREET, MANCHESTER.

Established over Half a Century.

Telegraphic Address: "Tomtom."

We desire particularly to draw the attention of Colonial and Foreign Subscribers to the fact that in cases where they require partners, agents or assistants, or wish to sell their businesses, an Advertisement in this Supplement, placed in every copy of "The Chemist and Druggist," should be the readiest means of helping them to attain their object. The tariff for such announcements is given under the appropriate headings in the Supplement. Instructions and remittances can be sent to us direct or through the advertisers' correspondents in this country.

BUSINESSES FOR DISPOSAL.

6s. for 50 words or less; 6d. for every additional 10 words or less, prepaid.

BIRMINGHAM (9 miles).—Cash Retail, Dispensing and Kodak Business in thickly populated neighbourhood; main road; fittings and stock in good condition; excellent house, with bath, electric light and garage; rent £50; turnover averages 16 guineas; net profit 25%-28%; price £400; splendid opportunity for young energetic man. 202/24, Office of this Paper.

BRISTOL CHANNEL.—For Sale, Mixed Business, including shipping trade; Kodak Agency; returns average nearly £30 per week, could be increased; good house and garden attached, with fruit trees; held on lease; no near opposition; very low rent and rates; healthy surroundings. Further particulars on application. 204/33, Office of this Paper.

BROADSTAIRS.—For Sale, 18 years' lease of lock-up, double-fronted Corner Shop; rent £100 per annum; suitable for Photographic Chemist-Optician; price, £750, includes valuable Kodak Agency, stock and fittings; D. & P. done by trade firm locally. H. Ashburton, 9 Wellis Gardens, Margate.

FULHAM, S.W.—Genuine progressive and profitable Business, with Kodak Agency, N.H.I. Dispensing; conveniently fitted and easily worked; well stocked; weekly net profit £7; good premises on long lease; sound reason for disposal; genuine buyers only; £550 for quick sale. 204/3, Office of this Paper.

LANCS. TOWN.—Light Retail, with Kodak Agency; on main street; well-fitted shop; returns average £700 to £800 per annum; now under unqualified management; scope for N.H.I.; price £400; established over 20 years; good prices obtained; house available if required. 205/9, Office of this Paper.

LANCS.—£450 purchases established Chemist's Business in thickly populated area; neglected, under management for past three years; turnover £730; rent £26; on lease or agreement; Kodak Agency and N.H.I.; cash trade; ample scope for increase; stock and fixtures splendid condition; genuine reasons for disposal. 205/15, Office of this Paper.

LIVERPOOL CITY Business.—Good-class Cash Business; prominent position business centre; good profits and rising takings; vendor disposing through private circumstances; bankers' references required in first instance. Box N666, Lee & Nightingale, Liverpool.

LONDON, W.—Family Retail, Dispensing Business; cash trade; N.H.I.; Kodak Agency; long lease; large lock-up shop and room, £2 inclusive; takings last five months £850, without N.H.I.; price £1,500; genuine; banker's reference; only genuine buyers' letters answered. 205/33, Office of this Paper.

LONDON, W.6.—Exceptional chance to purchase easily worked business; takings nearly £1,600 yearly; net profit £8 weekly; lease 21 years; rent, lock-up, 35s. weekly; price £750, or would consider about £450 cash and balance easy payments. Full particulars, stamped envelope, 204/8, Office of this Paper.

LONDON, N.W.—Pleasant, healthy shop, with six-roomed house, side entrance; long lease; rent £140; returns £1,660, increasing; nice neighbourhood, with large surrounding population; owner has good reasons for disposal; price £1,100, or near offer. 132/605, Office of this Paper.

LONDON, S.W.—Drug and Photographic Stores, with small Wholesale business trade; £18 weekly; price £450; nicely-fitted shop, with 6 rooms; rent £65; or a partner with £250-£350 entertained; call or stamp. Whiting & Co., 50 Abbeville Road, Clapham, S.W.4.

LONDON, S.W.—Chemist and Druggist; takings £750; neglected through age; price £900 s.a.v., which includes leasehold property; double-fronted shop, 5 rooms vacant; main road; call or stamp. Whiting & Co., 50 Abbeville Road, Clapham, S.W.4.

MARGATE. — For Sale, commanding large double-fronted premises on sea front, between station and pier, suitable for Chemist-Optician; price, £6,500, includes freehold, valuable Kodak business, stock and fixtures; D. & P. work done by Kodak, Ltd., Margate works; garage, large basement, 9 rooms, suitable for converting into flats; owner giving up. H. Ashburton, 9 Wellis Gardens, Margate.

MORECAMBE.—Very old-established Cash Drug Store Business, with good living accommodation, excellent position, in main shopping thoroughfare, at the Morecambe-Lancaster bus terminus, with freehold property; good opportunity for qualified man. Haworth, Drug Store, Queen's Square, Morecambe.

SOUTH COAST, in residential area; Family and Prescribing, Kodak, with good D. & P. connection; net profit, 1927, £380, increasing, now doing £25 per week; good stock, lease of shop and small house £40, rates £14, outbuilding let off at £10; price £700 cash. 204/10, Office of this Paper.

SOUTH COAST.—Mixed Business for Sale in seaside place; takings about £4,000; further particulars on application to buyers with £3,000. Apply 202/20, Office of this Paper.

DRUG Stores; owner retiring; same hands 35 years; returns £500; have been over £1,000; no N.H.I., Poisons, Photo, Optics; good position; premises on lease; stock and fixtures £150, or offer. Rainbow, 5 Victoria Street, Coventry.

FOR SALE, Chemist's Business, Southport; corner shop, with good living accommodation over; to be sold as a going concern, to include stock and fixtures; living accommodation at present sub-let at higher rental than shop, making the shop rent free; price £300; long lease at very moderate rent can be had. Full details from Duncan B. Gray & Partners, Westminster Bank Chambers, Lord Street, Southport.

FOR Sale, as a going concern, old-established, well-equipped Chemist's Business in main street of Castleford; lease of premises can be transferred; audited accounts; price, including stock, fixtures, goodwill, £800. For further particulars apply Frank W. Hanson, Incorporated Accountant, Jessop Street, Castleford.

GENUINE.—For Sale in a new district of a Lancashire seaside town, no opposition, a Drug and Sweets Stores, doing an excellent business; grand opening for a qualified man with family; death and sickness sole cause of selling; price, with new property, double-fronted and excellent house, all freehold, and large stock, about £2,200 inclusive; large mortgage can be arranged. Apply in first instance to Ritherdon, North Bridge Mill, Deansgate, Bolton, Lancs.

LARGE Town (West).—Small, good-class Pharmacy, situate in residential district; returns about £1,350; no side-lines of any kind; easy to work and capable of extension in the hands of a young and experienced man or woman; conducted by lady for some years. Full particulars on sending proof of good faith to 204/31, Office of this Paper.

£500.—COUNTRY Business, with good Optical connection; double-fronted, with fixtures, fittings and stock in good condition; low rent; lock-up or accommodation can be arranged; Kodak, Rexall, Veterinaries, Family Dispensing; £850 turnover (can be increased); profit, £350. Apply 205/13, Office of this Paper.

BUSINESSES WANTED.

A GOOD middle-class Family Retail, Dispensing and Photographic Business in Southern Counties; market town preferred, with adequate living accommodation essential; returns not less than £2,000 per annum; must bear every investigation. Particulars in confidence, "Ricardo," 7 Holmcote Gardens, Highbury New Park.

ADVERTISER wishes to purchase Business offering scope for increase, or would entertain Partnership with view to succession. Full particulars to 200/22, Office of this Paper.

BUSINESS required, London, S.E., as Branch; neglected or recently established not objected to if scope. Full particulars and lowest price to P.C.B. 48/3, Office of this Paper.

MESSRS. BERDOE & FISH have a large number of genuine cash buyers seeking Businesses in all parts, up to £3,000. Private register kept, and sales are negotiated without any publicity. Correspondence cordially invited. Transfer Offices, 41 Argyle Square, King's Cross, W.C.1.

FACTORY FOR SALE.

SURREY (24 miles).—Modern Freehold Ground Floor Factory, 14,000 square feet, also Cottages and Land, in all 8 acres; electric power; gas and water laid on; price £7,500. Further particulars of Leopold Farmer & Sons, Factory Specialists, Auctioneers and Surveyors, 46 Gresham Street, E.C.2.

PREMISES TO LET.

FINE central Shop to Let in Nelson, a large Lancashire manufacturing town; of the 20 shops in the block, 14 are multiple. Apply Blakeys, Ironmongers, Nelson.

FINE corner Chemist's Shop in modern terrace of shops with valuable and exceptional rights of monopoly in this prosperous and rising resort to Let. Apply Owner, "Minora," Meadway, Shoreham-by-Sea, near Brighton.

SHOP, 4 rooms, bath, scullery, etc., large garden, also lock-up shop, to Let on lease; main road; good residential neighbourhood; opposite high-class boarding school; either shop splendid position for qualified Chemist; Photographic, etc.; rent moderate; only requires seeing. Apply Lee, Confectioner, Lower Road, Chalfont St. Peter, Bucks.

AGENCIES.

BOURNEMOUTH, Southampton and Weymouth Territory.—Representative, with own car, 8 years' excellent connection among Chemists and Hairdressers, requires good additional Sole Agency, on commission basis; advertised line preferred. 199/20, Office of this Paper.

GENTLEMAN, shortly returning to South Africa, Major qualification, also F.B.O.A., with wide and mature business experience, open negotiate, view representation British and Continental Manufacturers; highest references offered and expected; total abstainer; expert salesman. Appointments on receipt of letters to 192/18, Office of this Paper.

WELL-KNOWN Traveller, having powerful connection among Chemists, Stores, Hairdressers in North of England, is about to take up Agencies on his own account, and desires to get into immediate touch with manufacturers of repute in the trade who desire to increase their present turnover; able command big business. Write fully. Apply 205/50, Office of this Paper.

APPOINTMENTS.

TORBAY HOSPITAL, TORQUAY.

APPLICATIONS are invited for the post of non-resident Dispenser (male or female); full-time appointment.

Applications, stating age, salary required, and full particulars of experience, accompanied by copies of three recent testimonials, to be forwarded to the undersigned not later than September 1 next.

E. L. GRIST, Secretary.

METROPOLITAN HOSPITAL,
KINGSLAND ROAD, LONDON, E.8.

THE Committee of Management are prepared to receive applications for the appointment of Head Dispenser (male); salary £300 per annum.

Candidates must hold the Pharmaceutical Society's qualification, and preference will be given to those having had previous Hospital experience.

Applications, stating age, qualifications and experience, accompanied by copies of three recent testimonials, should reach the "Chairman of the Committee" not later than first post on Tuesday, the 11th September, 1928.

TENDERS INVITED.

PARISH OF LAMBETH.

CONTRACT FOR DRUGS AND DRUGGISTS' SUNDRIES.

THE Guardians of the Poor of the Parish of Lambeth desire to receive Tenders for the supply (from time to time as wanted) of Drugs and Druggists' Sundries during the twelve months commencing the 1st October next.

Printed Forms of Tender with conditions annexed (which alone will be received) may be obtained at this Office any day (except Saturday) between the hours of ten and five.

The Tenders must be sent by post on or before Tuesday, 11th September, and will be opened at a meeting of the Guardians on Wednesday, 12th September, but will be decided upon at a subsequent meeting.

The Guardians do not bind themselves to accept the lowest or any Tender.

By Order,
JAMES L. GOLDSPINK,
Clerk.

Guardians' Board Room and Offices,
Brook Street, Kennington Road, S.E.11,
23rd August, 1928.

SITUATIONS OPEN.

RETAIL.

[HOME.]

6s. for 40 words or less; 6d. for every additional 10 words or less, prepaid.

CARDIFF.—Unqualified male Assistant wanted, age about 30; N.H.I. and Stock, with some Counter work; no Sunday duty; quick and steady worker; permanency; state height, wages, etc. 202/6, Office of this Paper.

GRAVESEND.—Junior Assistant of good all-round experience required on or near September 20; single and unqualified. Full particulars to Millbouse & Roberts, 20 New Road, Gravesend, Kent.

HAMPSHIRE.—Qualified Assistant required; capable of taki charge; first-class references essential. Apply, stating ag salary required (outdoors), and other particulars, to "Telas c/o Wright, Layman & Umney, Southwark Street, London.

HINDHEAD, SURREY.—A competent Junior (unqualifie will be required middle of September. Apply "E. H. 40a Ladbroke Grove, London, W.11.

IN DEVONSHIRE.—Sbop Superintendent; duties light; sala low; suit invalid or pensioner; end of September. Sta full particulars to 204/5, Office of this Paper.

LINCS.—Wanted, capable Assistant for quick trade; good ref ences essential; not over 35. 202/17, Office of this Pap

LINCOLN.—Smart unqualified Assistant at once, age abo 22, for Counter and Dispensing. Apply, giving full p ticulars, salary, experience, and references, to Kemp & Elmi Chemists, Lincoln.

LIVERPOOL.—Young unqualified Assistant required imm diately; quick, reliable Dispenser and smart Counterma local man preferred. Apply 199/22, Office of this Paper.

LONDON, S.E.—Junior Assistant wanted about end of Se tember in a good-class Family and Dispensing busine Apply, stating full particulars, age, height, salary require when disengaged, 205/20, Office of this Paper.

LONDON.—Reliable Assistant required (gentleman) for Dr Department; must be qualified. Apply, personally, St Manager, Harods, Ltd., 44 Hans Crescent, S.W.

LONDON, S.E.1.—Assistant (lady or gentleman) for workio class business and N.H.I.; age not over 30; permanency a good prospects to suitable applicant. Send full particulars, apply at once personally, to Bennetts, 79 Union Road, Newio ton Causeway.

LONDON, S.E.—Qualified gentleman required, able to ta charge, understand Photo, Counter and Window-dressin good references essential. Apply, full particulars, to Ulle 198 Rye Lane, Peckham, S.E.15.

MIDLANDS.—Qualified Manager (between 30 and 40 ye of age) for large city business; splendid opening for rea smart man capable of increasing turnover; applicants must ha held similar position previously. Give all particulars in fi letter and state when at liberty. 202/380, Office of this Pap

NORTH MIDLANDS.—Qualified Manager required for Lig Retail, Family and Dispensing business, with hou attached; must be smart and have good business ability. Gi full particulars in first letter, stating age, salary required, a when at liberty. 202/38, Office of this Paper.

OUTER LONDON.—Junior Assistant unqualified, wanted end of September; used to quick Counter work and N.H Dispensing, good Window-dresser preferred; good scope reliable man. State salary required in first letter, 205/ Office of this Paper.

SHEFFIELD.—Experienced gentlemanly Assistant (unqua fied), about 24 years of age, for Light Retail, Dispensi and Photo business. Full particulars, age, experience, sala required, etc., to 204/36, Office of this Paper.

SUNNINGDALE.—Mr. C. Gilling will shortly have a vacan for an unqualified Junior Assistant; good-class Li Retail and Dispensing, with Photographic. Give full particul in first letter, salary expected, and when disengaged, to Alwyne Mansions, Wimbledon, S.W.19.

A COMPETENT Junior or Improver wanted early September. Please state age, height and salary requir enclosing photo, to H. W. Bryan, Chemist, The Pharma Malmesbury, Wilts.

A GENTLEMANLY Chemist required in N. Staffs. distri comfortable berth; knowledge of Photography essenti State salary and usual particulars, enclosing photo (to returned), 204/1, Office of this Paper.

A QUALIFIED Manager required; must be ambitious, en getic and tactful, used to Prescribing and general mi family business, with Optical experience preferred. 'Ph Enfield 0076 for appointment, or write, stating full particula to Arnold A. Dawson, High Street, Ponders End, Middlesex.

A QUALIFIED, capable Manager wanted at once; must quick Dispenser, good Counterman and Window-dresser; manency. Write, giving full particulars, stating age, exp ence, height, salary required, etc., "G. S.," 117 High Str North, East Ham.

A YOUNG gentlemanly Assistant wanted, unqualified, agricultural district; must be good Window-dresser, w knowledge of Photography; no Sunday or holiday duty; st beginning October. Full particulars, wages required, and co of references to Low & Hare, Ltd., Hexham, Northumberland.

SSISTANT wanted with an Optical qualification. Please Write fully as to age, references and salary required to wer & Son, Chemists and Opticians, High Street, Tonbridge.

SSISTANT; male; age about 22 years; single. Apply, giving full particulars, with recent photo, to W. J. Weatherhead, 35 King's Road, Chelsea, London, S.W.10.

ISPENSING.—Wanted, first-class, well-trained, much experienced, well-educated, qualified gentleman as Dispenser; good pearance, pleasing manners essential; unusually easy hours; rmanency. Apply Manager, Philip Harris & Co., Ltd., armaceutical Specialists, Birmingham.

ND OF SEPTEMBER.—Competent Assistant required, male or female, mainly for Dispensing, Stock-keeping and Book-eping; qualification not essential. Fullest particulars, please, first letter. Sanders, Chemist, Chard, Somerset.

UNIOR Assistant, male, aged 18-20, required for high-class Dispensing business near London; commencing salary £2 5s. r week; splendid opportunity to gain first-class experience. pply with full particulars to 205/21, Office of this Paper.

UNIOR Assistant (male) required in September for Counter and Dispensing. Apply, giving full particulars in first letter experience, references and salary required, to G. Loxton rinstead, Ewell, Surrey.

UNIOR Assistant wanted; young; smart appearance; willing and capable. Apply personally to Wavell & Co., 328 Vauxhall idge Road, S.W.1.

UNIOR Assistant, male, not over 23, for good-class Light Retail and Photographic business. Please give full particurs, height, references, salary required, and when at liberty, first letter. W. Lincolne, Chemist, Ely, Cambs.

UNIOR Assistant; unqualified; knowledge of Photography preferred, but not essential. State wages. Goode, Chemist, vickenham.

UNIOR Assistant required, age about 25, chiefly Counter and Window-dressing. Apply, stating salary required, closing references and photo (which will be returned), to olin, Chemist, Trowbridge.

UNIOR Assistant wanted for South Coast town good-class Family Store business; must have energy; not afraid of ork. Apply, giving full details of experience, when disengaged d salary required, to Simpson, 75 West Street, Brighton.

UNIOR, unqualified, wanted; must be quick and accurate Dispenser and smart at Counter. State age, salary required d full particulars of experience, enclosing photo if possible, to H. King, 182 Hamlet Court Road, Westcliff-on-Sea.

UNIOR Assistant, unqualified, outdoors, for good-class Family and Dispensing business; knowledge of Photography and indow-dressing essential. State full particulars and if interew is possible. Applications not answered in five days respectlly declined. Milbank, Chemist, Bisbop Stortford.

ADY Assistant required for high-class Dispensing and Counter business. Apply, giving particulars of age, salary, c., to 132/608, Office of this Paper.

ADY Assistant (young) required for Drug and Perfumery Dept. in Departmental Stores; no Dispensing; previous perience and Counter ability essential. State full particulars, lary required, and experience. Burgis & Colbourne, Ltd., edford Stores, Leamington Spa.

OCUM, Junior, unqualified (male), required for three weeks from September 10 to 29 inclusive; good Dispenser; outors. Apply, with full particulars, to H. S. Francis, 129 High treet, Guildford.

UALIFIED Chemist for small limited company, London, S.E.; salary (outdoors) and full particulars in confidence P.C.B. 48/300, Office of this Paper.

UALIFIED Dispenser required for branch; capable of taking charge; age 24/30; permanent position to suitable pplicant. Apply, stating full particulars of experience, age, lary required, enclosing photo and references, to Ivor C. ood, Chemist, 3 White Hart Lane, Barnes, S.W.13.

UALIFIED Chemist required for Retail Branch; age 25-35; must be thoroughly capable man, experienced in every ranch. Apply, in writing, stating age, experience and wage quired, to "Staff Manager," Royal Arsenal Co-operative ociety, Ltd., 148 Powis Street, Woolwich, S.E.18. Endorse nvelope "Pharmacy." Note.—Canvassing of members of the eneral Committee or officials will disqualify.

UALIFIED Locum wanted for Tuesday, August 28. Apply Bard, 91 Cricklewood Lane, N.W.2. Tel.: Hampead 4681.

UALIFIED lady Locum required for one week, commencing September 10 or 17; no N.H.I. Rowcroft & Co., Ltd., 66 eek Street, Maidstone.

QUALIFIED Assistant (male) required, age about 28, with good-class Retail and Dispensing experience. Apply, giving full particulars, age, married or single, experience, salary required, and when disengaged, to Brady & Martin, Ltd., 29 Mosley Street, Newcastle-on-Tyne.

QUALIFIED Branch Manager required, with Photographic experience, for permanency; married preferred; accommodation available. Apply, with full particulars of experience, age, salary required, and copies of references, to Giles & Sons, Chemists, Cwm, Mon.

QUALIFIED Branch Manager required at once, for shop in Manchester district; age 25/35; must be quick and accurate Dispenser. Please write giving full particulars to 203/35, Office of this Paper.

QUALIFIED Manager required mid-September, with view to partnership or succession for 60-year-old established business in Midlands (private limited company); many proprietaries, good N.H.I., Photographic (D. & P.); exceptional opportunities for energetic man with small capital available. Fullest particulars given in strictest confidence to genuinely interested applicant, references exchanged, 205/23, Office of this Paper.

REQUIRED at an early date, Improver or Turnover Apprentice for good-class Dispensing and Family business. State wages and references, etc., in first letter to S. A. Sheard, M.P.S., 9 Leeds Road, Harrogate.

STOCKTAKER required immediately for taking Retail Chemists' Stocks in London area; applicants must have had experience in similar capacity. State age, salary required, and date disengaged. 202/381, Office of this Paper.

SMART qualified man (M.P.S. preferred) required to open and manage Pharmaceutical Department for the Nottingham Co-operative Society (38,000 members); applicant must have had good Retail and Dispensing experience and be used to control of staff; knowledge of Photography an advantage. Apply, by letter only, stating age, when at liberty, and copies of testimonials, to the Managing Secretary, Nottingham Co-operative Society, Ltd., Upper Parliament Street, Nottingham, to arrive not later than Saturday, September 1, endorsed "Chemist."

TIMOTHY WHITES (1928), LTD., following the opening of new branches, require several experienced qualified Managers with ability and energy; permanencies and good prospects; free removal. Please apply, giving full particulars, to Assistant Secretary, Timothy Whites (1928), Ltd., Chemists, Portsmouth.

UNQUALIFIED Assistant required for Light Retail, Counter, Dispensing; outdoors; no Sunday or holiday duty. Apply, with full particulars, to H. Hartley, Chemist and Optician, Todmorden.

WANTED, qualified Assistant, capable of managing if necessary; comfortable berth; small country business; salary must be moderate. Please write, stating age and experience and when at liberty, 204/30, Office of this Paper.

WANTED, London, E., near City, qualified, young, for brisk N.H.I. and Counter; good salary for smart man. 204/23, Office of this Paper.

WANTED, qualified man to assist Manager, for working-class district in Lincolnshire; must have good experience and references; state age, salary expected, and photo if possible, and when disengaged; permanency if suitable. 203/28, Office of this Paper.

WANTED, young qualified Chemist, suit lady, for small town in Somerset; duties light; state age, salary required, when disengaged. 132/609, Office of this Paper.

WANTED, a gentlemanly Assistant (unqualified) to begin about October 1; must be a quick and accurate Dispenser and have a good knowledge of Retail and Photo business. Apply (enclosing photo and stating salary required) to J. D. Reynolds, Pharmacist, Bramhall, Cheshire.

WANTED, at once, thoroughly reliable, fully qualified Shop Manager, Chemist-Optician, J.C.Q.O., with supplementary; practical knowledge of Sight-testing essential. Apply immediately, stating age, experience and salary required, to the Penygraig Co-operative Society, Ltd., Penygraig, Glam.

WANTED, in September, qualified Chemist and Optician, young, capable, and of good appearance; knowledge of Photography; must be good Salesman. Photo, reference and wage required to Jones, 30 Mardol, Shrewsbury.

WANTED, young lady, experienced in Drug and Toilet trade, able to take charge of Drug Store, near Liverpool. Apply by letter, salary required and particulars, to John Thompson, Ltd., Hanover Street, Liverpool.

WANTED, Qualified Locum from September 7 or 10 for fortnight; young man recently qualified would be suitable. Apply "Chemist," 3 Queen Street, Cheapside, E.C.4.

WANTED, qualified Assistant; good wages and prospects. Apply personally next Monday morning, August 27, Mortons Cash Chemists, 33 John's Mews, Bedford Row.

WANTED, qualified Pharmacist, on J.C.Q.O. Register, to manage West-End Branch; good prospects. Apply Cheetham, 31 Tothill Street, Westminster.

YOUNG lady Assistant. Apply, personally, Richardson, 369 Brockley Road, S.E.4.

YOUNG, qualified, at once (male), accustomed to good-class Dispensing and Toilet business; knowledge of Photography; smart Window-dresser. Age, salary, references and photo to E. M. Wilkinson, Chemist, Hale, Cheshire.

WHOLESALE.

6s. for 40 words or less; 6d. for every additional 10 words or less, prepaid.

LONDON and Provincial Representatives, with connections Chemists, Hairdressers and Stores, required immediately; high-grade, popular-priced Toilet Preparations, Bulk Lotions, Soaps and Advertised Proprietaries; no objection to those carrying non-competing lines; 10 per cent. commission upon all new accounts in lieu of expenses, plus 10 per cent. commission retailers' accounts only; special arrangements for wholesalers and contracts. Send fullest details, age, experience, etc., to "D. A.," 132/607, Office of this Paper.

EXPORT Assistant Manager required by Ayrton, Saunders & Co., Ltd., Manufacturing Chemists, Liverpool; knowledge of trade and experience in similar capacity desirable; must be good correspondent and able to supervise books. Applications, stating qualifications and previous experience, to "B. C. L.," care of above.

PROPAGANDA.—London house of Manufacturing Chemists and Druggists, with extensive clientèle among Pharmacists, Hospitals, Doctors, Manufacturing Confectioners and Aerated Water Manufacturers, require the services of a gentleman capable of organisation in their Propaganda Department. Applicants should give details (which will be treated in confidence) of their experience in sales promotion, the preparation of literary and display matter, with remuneration required, to "Propaganda," 132/603, Office of this Paper.

QUALIFIED Chemist required, with knowledge of the making up of Toilet Preparations for Wholesale trade. Apply by letter in first instance, stating previous experience and salary required, to 132/604, Office of this Paper.

REPRESENTATIVES wanted for England and Wales for new Toilet and Shaving Soaps of unequalled quality; commission basis only; other non-competitive lines may be carried. Full details of ground covered, lines carried, age, experience to 203/39, Office of this Paper.

REPRESENTATIVE required to call on Hospitals and Public Institutions with Surgical Dressings. State age, previous experience and salary to "B. H.," 132/606, Office of this Paper.

REPRESENTATIVES wanted for London and provinces by old-established Rubber Manufacturers for goods for Druggists' Sundries and Sports' trade. Full particulars of age, experience, and salary required to P.C.B. 48/4, Office of this Paper.

REPRESENTATIVE, calling on Chemists; good side line; first-rate seller; good commission basis; state territory covered. "Journal," c/o Winchester Press, 54 Holborn Viaduct, E.C.1.

REQUIRED by an old-established provincial firm of Manufacturing Chemists and Wholesale Druggists, a young, qualified, ambitious man, with some knowledge of Wholesale trade, in progressive post as General Assistant and Representative; investment qualification necessary; attractive prospects. Write full particulars and stating salary required to 201/21, Office of this Paper.

TRAVELLER, calling upon Chemists, etc., can hear of good commission for advertised Specific. "M.," P.C.B. 47/31, Office of this Paper.

WANTED, a smart, well-trained Chemist's Assistant, age 25, as Representative to call on Medical Men and Chemists; no previous travelling experience necessary, but applicants must have a knowledge of Therapeutics. Full particulars as to age, education, and training to 204/32, Office of this Paper.

WOMAN.—Wanted, experienced worker to supervise Packing of Liquid Medicaments and Tablets; must be accustomed to work of the highest class. Applications will be regarded as strictly confidential. Full particulars as to age, experience, and wages required to 132/601, Office of this Paper.

WOMAN.—Wanted, experienced Filler of Ampoules. Applications will be regarded as strictly confidential. Send particulars of age, experience, and wages required to 132/602, Office of this Paper.

(COLONIAL, INDIAN AND FOREIGN).

CALCUTTA.—Old-established firm, Wholesale and Retail, require Assistant, under 25; must be Scotch, single, neat Dispenser, and have Minor qualification; 4 years' agreement; salary, first year rupees 500 monthly; second, 525; third, 550; fourth, 575; passage paid. Apply, giving particulars of experience, etc., to P.C.B. 46/23, Office of this Paper.

INDIA.—Wanted, for India, completely qualified Assistant with a view to management and eventual Partnership; terms according to qualifications. Apply 131/574, Office of this Paper.

SITUATIONS WANTED.

RETAIL. [HOME.]

2s. for 18 words or less; 6d. for every additional 10 words or less, prepaid.

The Advertiser may if preferred have replies addressed to this Office, and forwarded on payment of an additional charge of 1/-.

A.A.A.—ASSISTANT, as right-hand man, desires permanency where wholehearted interest in employer will be appreciated; abstainer; middle-aged; married; experienced; excellent references; unregistered; salary moderate; offers invited. BM/ZP6N.

A.A.—AUGUST 27 to September 8, smart unqualified Locum Assistant; Square trained; referred one subject; Photographic knowledge; 3 guineas, plus train fare. Read, 21 Magdalen Road, Norwich.

A.—ASSISTANT, 25, experienced all branches high-class Pharmacy 9½ years, seeks permanency; excellent references; can commence duties immediately if necessary. "Locum," c/o Baldry, 330 Portobello Road, Kensington, W.10, or 'phone Park 4608.

A CAPABLE, qualified man; fully experienced; Locum or permanency; middle-aged; disengaged September 1. "Chemist," 85 Lancaster Road, Leytonstone, E.11.

ADVERTISER, 60, very active, qualified, 6 years last Managership, open to engagement; well up in all branches, Prescribing especially; would invest. "Chemist," 1 Theatre Street, Norwich.

AN experienced Pharmacist, age 35, desires change; country or town; reliable, capable and trustworthy; well educated; abstainer; married. 204/18, Office of this Paper.

ASSISTANT, unqualified, 27, desires permanency; capable and energetic; Dispensing, Photography, Prescribing, Counter and Window-dressing; all-round experience; can manage. Apply 205/34, Office of this Paper.

ASSISTANT, 26, 8 years' high-class Retail experience, unqualified, desires post; free September 17. Harris, 78 Church Road, Hove.

ASSISTANT requires post, chiefly Dispensing, where Evening Classes are available; preferably London or Nottingham. Miss G. M. Robinson, 52 Clapham Road, Bedford.

ASSISTANT, 25, requires permanency; good Dispenser, keen Counterman, knowledge of Photography with D. & P. capable; trustworthy; Brighton or locally preferred; free September 3. Hunt, c/o Mr. Bridger, 28b Seaside, Eastbourne.

ASSISTANT, 31 (Part I); excellent all-round experience; able to manage; disengaged shortly. Apply "M.," c/o 70 Margate Road, Ramsgate.

ASSISTANT, 19, good all-round experience, excellent Window dresser, seeks permanency. Write 202/40, Office of this Paper.

ASSISTANT; unqualified; good experience, N.H.I. and Counter; North preferred; disengaged. Jenson, 46 Penge Road, Upton Park, E.13.

ASSISTANT or Locum; 34; unqualified; capable and trustworthy; not afraid of work; conscientious; experienced all branches; good references; at liberty when required. 204/17, Office of this Paper.

AS Dispenser and Counterman; thoroughly reliable and competent; able to take charge; West-End now; disengaged shortly; good references. "Dispenser," 7 Vincent Square, Westminster, S.W.1.

AS Locum or permanency; qualified; Optical qualifications; tall; 25; excellent references; interview preferred; free September 10, for London. "S.L/S.A.," 38 Highbury Grove, N.5.

MANAGER.—Qualified, 26, requires position; permanency essential; 10 years' good all-round experience in London provinces; interview preferred; disengaged one month. 39, Office of this Paper.

RMINGHAM.—Young lady Dispenser requires post with Doctor, Chemist or Institution; excellent testimonials; know- Shorthand, typing, and Book-keeping. 15 Selly Wick Road, ningham.

PABLE, unqualified Assistant, 25, married, requires berth where first-class Counter, Dispensing, Photographic experi- with ability to dress pulling Windows and Paint Show- s are required; disengaged September 10. "Returns," 26, Office of this Paper.

CHEMIST-OPTICIAN, qualified, J.C.Q.O., wide experience in all branches, capable Refractionist and Photographer, desires position as Manager, London or vicinity; permanency; house if possible. "Scot," c/o Lewis, 22 Leicester Square, W.C.2.

IEMIST'S Assistant seeks position as Dispenser in shop, Hospital, or with Doctor; referred Pharmacy; good experi- and references; moderate salary. Griffiths, 23 Hamilton d, Harrow.

SPENSER, Junior (Part I), disengaged early September, requires situation in London; City preferred; high-class rience in Dispensing and Counter work, with a knowledge Window-dressing and Photography; interview any time. k, 33 Croydon Road, Penge, S.E.20.

ENING and Saturday work wanted by Part II Day Student, 23, tall, accustomed to a fast Counter and big Dispensing ness; excellent references. West, 285 Hither Green Lane, isham, S.E.13.

ENINGS and Saturday work required by student; 8 years' experience; reliable Dispenser; excellent references. Hill, 37 ark Villas, W.9.

XPERIENCED Assistant, well recommended, desires single or Senior position; can manage under principal; all ches of the business; Surgical and Appliances; disengaged; ld come emergency whilst negotiating permanency. "N.," Rochester Terrace, Chatham.

F. BRYARS, M.P.S., 28, single, tall, Square trained, with City, West-End and provincial experience in Retail rmacy and Photographics, desires Managership; present tion as Manager of old-established Dispensing, Photographic Family business, with Prescribing, for 2½ years; interview esired. 172 Baker Street, Enfield, Middlesex.

ADY, 22, desires change; good Counter-hand; used to quick trade; 4 years' experience; can be disengaged in two weeks; don or North preferred. 205/17, Office of this Paper.

ADY, available for Locums; thoroughly experienced and reliable; free August 23. 199/26, Office of this Paper.

OW salary for short hours; no standing; experience includes French; single; 71; qualified. Naylor, Ph.C., 29 Cardiff d, Bargoed.

OCUM; unqualified; middle-aged; life experienced; Counter. Dispensing; disengaged; reliable; terms moderate; long rences. 204/12, Office of this Paper.

LOCUM; London preferred; qualified; well recommended; salary £4 10s. per week outdoors, or equivalent indoors; disengaged. 203/19, Office of this Paper.

OCUM, experienced, has vacant dates September; active; trustworthy; long references. "Locum," Slattery, Chemist, Halifax Road, Smallbridge, Rochdale.

OCUM; qualified; experienced; free till September 3, then September 17 onwards. "Chemist," 13 Disraeli Road, ing, W.5.

OCUM or position where qualified help is required; experienced in Dispensing and management; elderly; disengaged tember 8. Address 202/31, Office of this Paper.

OCUM; seaside or country; experienced Dispenser; all-round man; disengaged immediately. Benson, 4 Alexandra Road, th Woodford, Essex.

OCUM; unqualified; energetic; disengaged September 17 to October 6 inclusive; experienced Dispenser, Counter. nnan, 16 Fulney Road, Sheffield.

OCUM Tenens, M.P.S., D.B.O.A., F.I.O., J.C.Q.O.; ex-owner; first-class, all-round; booking September 3 onwards. eliable," c/o Rex Allen, Pharmacist, West Bromwich.

OCUM; qualified; reliable; over 20 years' experience, mostly West-End; disengaged after September 22. "Pharmacist," Camden Road, N.W.1.

LOCUM or Manager; qualified; first-class all-round experience, London, Liverpool, Manchester; single; references; disengaged shortly. B. Kilvert, 37 Parliament Street, Gloucester.

LOCUM; thoroughly experienced; competent; reliable; disengaged September 3; highest references. "Chemicus," c/o Morgan, 136 Rosemary Road, Peckham, S.E.

LOCUM; qualified; disengaged September 1 onwards; highest credentials; moderate terms. Jones, c/o Parson, Pharmacist, 74 Mill Road, Cambridge.

LOCUM; experienced; abstainer; middle-aged; take entire charge; disengaged October 1 onwards; terms moderate. "Pharmacist," c/o 25 High Street, Aldershot.

MANAGER, 30, with first-class experience, chiefly West-End managerships, possessing excellent credentials and modern business methods, would consider small Partnership in any locality, but London preferred. 204/9, Office of this Paper.

MANAGER; qualified; experienced; used to complete charge; good Dispenser and Salesman; highest references; free September 6th. 80 Brookbank Road, Lewisham, S.E.

MANAGER; Drug Store; permanency; thoroughly experienced; moderate salary; good references; disengaged September 10. Taylor, 35 Acland Street, E.14.

MANAGER, 35, married, requires position, South Coast; fully experienced; reliable; highly recommended. "Statim," 17 Cambridge Road, Hove, Sussex.

MANAGER.—Competent young Pharmacist, 27, married, desires permanency, preferably in healthy country town; knowledge of all branches, including Veterinary; business must have scope; living accommodation if possible. 202/35, Office of this Paper.

M.P.S., LADY, 26, requires permanency; good all-round experience in Retail business; excellent references; capable of taking charge. Apply 202/7, Office of this Paper.

M.P.S. ZALIG ROBINSON, M.P.S., at liberty for Locum or temporary engagements; good experience; good references. 44 Eden Street, Saltburn, Yorkshire.

PART-TIME; good all-round experience; London or Surbiton district; age 24. "F.," Beaufort Cottage, Thames Ditton.

PART-TIME Junior Assistant; London, S.W., preferred, not essential; September or October. "S.," c/o 37 Marefair, Northampton.

PERMANENT situation required by a smart Assistant; age 41; not qualified, but holding a thorough experience of all departments in the business; good recommendations from first-class firms. "Sound," 201/20, Office of this Paper.

QUALIFIED, 24, desires post, home or abroad; 8 years' experience in all branches; excellent references. 206/5, Office of this Paper.

QUALIFIED, 28, Welsh speaking, desires position, with or without view; good experience, references; shortly disengaged. 205/12, Office of this Paper.

QUALIFIED, 35, London and provincial experience, wants engagement; South or West of England; would take charge; Welsh speaking. 204/180, Office of this Paper.

QUALIFIED, 26, tall, single, abstainer, desires post in high-class Pharmacy; West Country preferred; London and provincial experience; free early September. E. R. Polgreen, Perranporth, Cornwall.

QUALIFIED lady requires post as Assistant; London preferred, but not essential; good experience; free September 17. 202/8, Office of this Paper.

QUALIFIED, age 62, good references, requires good situation at Front Counter; all-round experience; Surgical Appliances, some Optical, Dispensing. 202/30, Office of this Paper.

QUALIFIED, elderly Chemist requires good position as Senior or Manager; good reason for advertising; excellent references. "H. R. D.," c/o 17b Canonbury Square, N.1.

QUALIFIED; 23; 6 years' experience, city, suburban, country; disengaged September 1; Locum, temporary or permanent. Walsh, Valley Road, Anfield, Liverpool.

QUALIFIED, elderly, active, disengaged; Branch Manager, Superintendent or Locum; terms reasonable. "Chemist," 13 Moon Street, Devonport.

QUALIFIED, all-round experience, as Manager, 5 years in London, excellent Prescriber, accustomed to sole management, desires permanency in London or within 50 miles radius; Wholesale or Retail. "Pharmacist," 28 Southcliff Road, Southampton.

QUALIFIED Chemist, young, requires situation; Brighton or South Coast preferred; Dispensing, Counter, Photographic experience. H. Carlton, 113 Waldegrave Road, Brighton.

All Unqualified Assistants, Dispensers and Apprentices
should join at once
THE NATIONAL UNION OF DRUG & CHEMICAL WORKERS
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Write for particulars:—ARTHUR J. GILLIAN, Gen. Sec.
149 Newington Causeway, LONDON, S.E.1

QUALIFIED, 23, tall, requires permanency; Wales or West England preferred. E. Davies, c/o James, Chemist, Maesteg.

SMART Assistant, 25, business abilities, scrupulous, all-round experience, desires position within 10 miles Oxford Circus. "Sales," 233 Cramond Avenue, Welling, S.E.18.

SALESWOMAN, Perfumery, Toilet, Drugs and Fancy; disengaged. Miss Driffield, c/o Nurse Priest, 3 Argyle Road, Westcliff-on-Sea, Essex.

SMART, tall, unqualified, good Counterman, hard worker, desires change; age 26; good references. "J.," 42 Fosterhill Road, Bedford.

UNQUALIFIED, age 34, seeks post as Dispenser and Bookkeeper with Doctor; drive car; Welsh; abstainer; very willing. Parry, "Rhiw," Eglwysbach, Tal-y-Cafn, N. Wales.

UNQUALIFIED Assistant, 23 years, desires berth; 9 years' thorough experience; reliable Dispenser, good Counter and Photo Salesman. "H. C.," 89 Portsdown Road, Maida Vale, W.9.

YOUNG man desires two or three hours' evening Dispensing work in vicinity of any College, London area or South Wales, during coming session. "Dispenser," 85 West Street, Farnham.

WHOLESALE.

2s. for 18 words or less; 6d. for every additional 10 words or less, prepaid.

CHEMIST; 36; unqualified; last 12 years manager of warehouse of multiple shop company (20 branches); Buying, Manufacturing Galenicals and own preparations, distribution; references undeniable. H. Davis, 35 St. James Street, Brighton.

GENTLEMAN, representing well-known Proprietary, Lancashire, Yorkshire and Midlands, and with established connection on the ground, open to represent another firm of repute, on commission basis. 132/610, Office of this Paper.

GENTLEMAN, 31, requires post as Representative; thorough knowledge of the Retail; last 9 years on South Coast. Apply 201/23, Office of this Paper.

MAN, experienced Syrups, Tinctures, Ointments, etc., wants situation. "G. C.," 11 Nelson Square, Blackfriars Road, S.E.1.

PHARMACIST, 25, seeks position with progressive Wholesale House; in or outdoor; if latter has own saloon car; knowledge Therapeutics. "M.P.S.," 205/11, Office of this Paper.

TRAVELLER; 14 years' sound connection, Chemists, Hairdressers, etc., Lancs, Cheshire, Notts, Lincs and Derby; excellent references and sales records; known house or Proprietary; age 28. Replies 202/25, Office oc this Paper.

YOUNG man, studying for Science Degree (evening work), 4 years' experience in Galenicals and Pharmaceutical Specialities, some Analytical knowledge, desires position in Analytical Laboratory or Chemical Works. 201/15, Office of this Paper.

WANTED, one good side line suitable for Chemists, Stores, etc., by Traveller having good connection over South Wales, Herefordshire and Gloucestershire. Apply 205/10, Office of this Paper.

WAREHOUSE Manager seeks opening; 19 years' first-class experience in Buying Patents, Drugs, Sundries, Stock-keeping, making Galenicals and. Proprietary Preparations, despatching, control staff; references excellent. 204/25, Office of this Paper.

WELL-KNOWN Traveller, 28, in sole charge of four Northern Counties, handling nationally-famed lines, has most exceptional connection to offer a reputable house; good organisation experience; able undertake sales managership; ability to command large turnover; present engagement terminates on fortnight's notice. Apply 205/5, Office of this Paper.

CLEAR OUT—your Old or Damaged Stock of Photo Goods. *Why keep them any longer? Turn them into CASH.*
I GIVE BEST PRICES for Old Films (damaged, fogged or expired dates); Packet Papers. Cards (any sizes). Old Photo Goods or Cameras. Bromide Papers. Plates (all sizes, all makes). Send any goods in the photo line. I buy all, good or bad. Cash per return. A good price for all Cameras. Send them along.
S. E. HACKETT, 23 July Rd., Liverpool

MISCELLANEOUS.

IMPORTANT firm of Food Manufacturers wish to get in touc with a reliable house able to pack for them from 200 300 gross a day of packets, accurately weighed, containir 1½ ozs. of Powdered Substance; all material, printed carton paper, etc., supplied. Apply Box 43, c/o MATHER CROWTHER, LTD., 10/13 New Bridge Street, E.C.4.

LIMITED COMPANIES REGISTERED.—I have now been engaged in this work over 20 years, so you may rely that my experience in Chemist and other Companies (I take all trades) is hard to beat. Most reasonable and inclusive fee. Advice free. A. B. SLACK, 15 Christ Church Avenue, West Didsbury, Manchester.

PERCY R. E. JOSEPHS, Shopfitter, 68 Old Street and 1 Lever Street, London, E.C.1 'Phone Clerkenwell 0929. A in stock, ready for despatch. Prices, sketches and particula post free on application. 17 Drug Fittings from 6 ft. to 22 f long; 32 Wall Cases from 1 ft. 6 in. to 24 ft. long; 15 Di pensing Screens from 4 ft. to 10 ft. long; 27 Serving Counter all lengths; 300 Counter Cases of all kinds and sizes, Sile Salesmen, Glass Counters, Glass Shelves, Counter Drawers, ct Send me your requirements with sizes and you will get rep by return post.

WHAT OFFERS, CARRIAGE FORWARD?—Eight dozen 6 Bryants' Compo; 6 dozen Chest Protectors, assorted; 1 gro packet Saccharine Tablets; 2 dozen 1s. 6d. Karmi Nail Polis 5,000 Capsules, assorted; 1 gross 9d. Dog Pills; 3 dozen 3 Donceve; 4 dozen Ingram's Enemas; 6 gross Wynter's Foot Past assorted; 3 dozen Fairlene, Yadil Preps., £35 worth retail O.C 4 gross Kaputine Powders; 500 gross assorted Pills and Tablet gross Horse Balls; 6 dozen Externo; 4 gross 3½d. tins Bismu Magnesia Tablets; 1½ dozen Numol; gross Quinquenna Shampoo 3 dozen Thompson's Slippery Elm Food; 1½ dozen 3s. Seavitoic WRIDE, Chemist, Winchester.

WINDOW SHELVES.—PHILIP JOSEPHS & SONS, LTI 90-92 St. John Street, Clerkenwell, London, E.C.1, c offer immediate delivery of New Plate-glass Shelves, 34 in. 4 in., with all edges polished, at 1s. 10d. each, packed fr Real bargain.

SECOND-HAND CHEMISTS' FITTINGS.—We have an exce tionally fine selection of these in all sizes; prices are rigt and goods are in first-class condition; we shall be pleased supply particulars and prices. Call or write, RUDDUCK & C 219 Old Street, London, E.C.1.

£77 10S. for set of Mahogany Fittings, consisling of 10 Drug Run fitted glass-knobbed and labell drawers, lockers, etc., 8 ft. glass-fronted Counter, 6 ft. Wa case, 6 ft. Dispensing Screen, Perfumery Case and Desk, Ca Till; would separate; illustrations on request. E. BERG, LT 336 Old Street, London, E.C.1.

£170.—UNIQUE SET OF PHARMACY FITTINGS solid Fumed Oak, comprising 2 x 10 ft. Displ and Stock Fittings, all with sliding doors; 2 x 5 ft. Pharma Fittings with drug drawers, etc.; these are all sectionalise 4 x 4 ft. Wall Showcases with sliding doors; 2 full-siz Plate-glass Mirrors; Glass Front Serving Counter with drawe etc., at back; exceptionally handsome Dispensing Screen; Che Till. Really the finest looking set on the market, and rea for delivery and erection this day. Call and view. Can adapted to any size shop. PHILIP JOSEPHS & SONS, LT 90/92 St. John Street, Clerkenwell, London, E.C.

EXCHANGE COLUMN.

WANTED.

FITTINGS wanted for Branch, London, S.E.; Drug R Dispensing Screens, Counter (glass fronted), about 9 Dispensing Scales. Particulars, whole or part, to P.C 48/301, Office of this Paper.

GOWER, Chemists' Bookseller, 41 Voltaire Road, Clapha wants Pharmaceutical Books, including Pharmaceuti Formulas, B.P.C., P.J.F., Optical Books.

SECOND-HAND Dispensing Scales, in fair condition, not nec sarily stamped. Particulars to "F. B.," 31 Leinster Ro Swinton, Lancs.

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Packed in plug-stoppered wide mouth flats, lithographed labels and cartons in colours as illustrated.

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HAS THE PROTECTIVE EFFECTS OF CREAM AND POWDER COMBINED.

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